

3

a little south of SE, 15.9 miles from present TL; DA. Despite antenna reduction, this major power boost could bring it into the big league; right now the station is still operating at the same power and antenna height it had when it was a translator.

NY Keene; WEKW-TV, ch. 52; granted CP to raise ERP from 60 kw to 94.5 kw max; same TL and height.

NY Binghamton; WICZ-TV, ch. 40; granted CP to reduce ERP from 565 kw max/501 kw hor to 468.3 kw max; same TL and height.

NY New York; WNYE-TV, ch. 25; granted CP to raise ERP from 658kw max/594kw hor to 2432 kw max; 395m AAT/393m AG/408m ASL (211m higher AG and ASL); TL Empire State Building (350 Fifth Avenue); coordinates 40°44'54"/73°59'10" (Az. 353°, or slightly west of due north, 4.1 miles from present TL); DA. Another giant step for mankind.

OH Chillicothe; WWAT, ch. 53; granted CP to reduce ERP from 5000 kw max to 2000 kw max; antenna data which follows probably reflects what was actually built: 199m AAT/190m AG/416m ASL; coordinates 39°35'30"/83°06'38"; DA BT.

OH Cincinnati; WIII, ch. 64; granted CP to raise ERP from 1000 kw max/851 kw hor to 1148 kw max; 287m AAT/242m AG/496m ASL (49 meter reduction in height, despite the same HAAT); TL 2222 Chickasaw Street, Cincinnati; coordinates 39°07'28"/84°31'18" (1.4 miles east of present TL). Don't look for any improvement.

PR Arecibo; MCCV-TV, ch. 54; granted CP to raise ERP from 11.78 kw to 1500 kw max; 800m AAT/156m AG/1088m ASL (present data sketchy, but I have -67 meters AAT.); TL Cerro Roncador, 7 km to Utuado on AZ 60; coordinates 18°14'06"/66°45'38"; DA BT.

CALL LETTER GRANTS: NEW STATIONS

ST CH CALLS	CITY/APPLICANT
AK 33 KDMO	Anchorage; EchoNet Corporation
CA 8 KFMU	Fort Bragg; KDKJ
IL 46 WHSL	East St. Louis; WMSQ (new station)
NJ 62 WACI	Atlantic City; Garden State Communications
SC 21 WFIL	Florence; Hagara Communications Corp.
TX 22 KLTJ	Galveston; KUYA
TX 60 KVDA	San Antonio; Nueva Vista Productions Inc.
UT 12 KUSG	St. George; KUTV Inc.

CALL LETTER GRANTS: EXISTING STATIONS

ST CH CALLS	CITY/APPLICANT
AL 32 WMOA-TV	Montgomery; WKAB-TV
CA 13 KOVR	Stockton; KOVR-TV
MI 31 WBSX	Ann Arbor; WHT
NM 2 KTKO	Santa Fe; KMNZ-TV
NC 36 WVGO-TV	Charlotte; WPCQ-TV
TX 57 KRTW	Baytown; KLTJ

NEW STATIONS ON THE AIR

AR Rogers; KFAA, ch. 51; went on the air 8/30/1989; Original CP data: 5000 kw max ERP; 284m AAT/157m AG/709m ASL; TL Robinson

Mountain, 5 miles southeast of Metairieville; coordinates 36°00'57"/94°00'00" [NOTE: there was an MP application for 201 kw, 140m AAT, and TL 15 miles north, but I have no indication that it was granted, yet it would seem odd for them to build according to their original CP data if they were seeking to change; MP affiliate; satellite of KPOM-TV, ch. 24, Fort Smith AR; address: KFAA Television, 114 S. First Street, Rogers AR 72756.

IL East St. Louis; WHSL, ch. 46z, went on the air 9/11/1989; 5000 kw max ERP; 345m AAT/250m AG/523m ASL (as per MP granted 7/26/89); TL near Maxville, MO; coordinates 38°23'18"/90°29'16"; HSN affiliate; address: Roberts Broadcasting Co., 1408 N. Kings Highway Blvd., Suite 202, St. Louis MO, 63113.

NC Rocky Mount; WFXB, ch. 47z, went on the air 7/5/1989; 1300 kw max ERP; 312m AAT/308m AG/365m ASL; TL 1.5 miles SSE of Old Spring Hope, Nash County, off the end of Hwy. 1920; coordinates 35°54'44"/78°01'46"; BT HOR; independent station; address: Family Broadcasting Enterprises, Box 4750, Rocky Mount, NC 27803.

TX Galveston; KLTJ, ch. *22z, went on the air 7/24/1989; 5000 kw max ERP; 571m AAT/569m AG/575m ASL; TL 11600 County Road 200, Liverpool, Brazoria County; coordinates 29°17'16"/95°13'53"; independent religious station; address: Faith That Pleases God Church, 3737 Red Bluff Road, Pearland TX, 77503.

TX San Antonio; KHCE, ch. *23z, went on the air 7/9/1989; 1471 kw max ERP; 241m AAT/293m AG/573m ASL; TL FR Road 1560 at Main Road; coordinates 29°31'25"/98°43'25"; address: Hispanic Community Educational TV Inc., 7823 Mary Carolyn, San Antonio TX 78217.

STATIONS OFF AIR

ST CH CALLS	CITY
OH 68 WCOM	Mansfield
OH 30 WUXA	Portsmouth

FORUM

ROY BARSTON (Testicker MA) writes, "Concerning CIHF-8 channel 8 Halifax N.S. & their outlets (11, 12, 27) I received on May 20, 89. They have not sent any info or verification back from my reception report or from a follow-up. The lady I talked with on the phone said they have 1 station in N.B. St. John. Is this the so-called Atlantic Satellite Network? Mailing address for CIHF-8 is MITV, 14 Akerley Blvd., Dartmouth N.S., B3B 1J3. Steve Wilson, C.E. Phone 1-902-468-2223. Maybe someone else will verify them or get more info. They said CIHF-8 started in Sept. 88."

Any non-CBC television station is required to have the "-TV" suffix, so I assume it's CIHF-TV. It's interesting that the 1989 Television Factbook confuses MITV for its call letters. The St. John, N.B. station to which the lady referred is not a satellite at all, but rather another station owned by New Brunswick Broadcasting Company Ltd.: CHSJ-TV, ch. 4, a CBC affiliate.

"New station here is W2AR (WLNE-6 MA) Fall River MA, started on July 27, 89. ERP 5.76 kw direction 155° from north (directional ant I believe) 309 ft. high.

Tower on Pleasant St. Fall River.

"WHRC 46 Norwell MA comes in much better now. Must be 3,000 to 5,000 kw."

BEN WILKIE (Geneva NY) sent in an article of interest. The 9/17 *Rochester Democrat & Chronicle* reports on a new trend: cable television stations with their own call letters. "Its schedule looks like real television - on-air broadcast television, that is. Even its call letters - WGRG - sound like it. And that's what Greater Rochester Cablevision wants you to think when WGRG, the company's independent cable channel, goes on the air - or rather on the cable - at 6 p.m. Thursday on cable channel 5. WGRG will even have local programming." "It's a move that has media watchers and on-air broadcasters wondering what it means for the future. For GRC's cable subscribers, it will mean another choice. John Orr, the new station's general manager, sees it as the beginning of a trend. 'It's television of the '90s,' said Orr. The trend in the next decade will be for television to zero in on a small portion of the market instead of trying to appeal to the general public." "A similar experiment started Aug. 7 on Buckeye Cablevision in Toledo, Ohio. However, it is only on from 5 p.m. to midnight. WGRG will broadcast from 6 a.m. to past midnight. 'We're cautiously optimistic,' said Tom Dawson, special projects director for Buckeye. 'We're building an independent station with everything but the tower and transmitter.' "A look at WGRG's schedule of reruns...make it look like many other independent broadcasters. 'It's programming we have chosen not to run,' Heather Farnsworth, general manager of WUHF-TV, Channel 31, Rochester's on-air independent broadcaster. 'We have better material.'"

BILL NIENAJADLY (Clifton NJ) reports that W53AA, New York City, is back on the air as of 8/19, with 3/4 CB test pattern, with callsign in middle. "Any idea what their format will be?" No idea.

Bill sent in a review of the GFH-100 Indoor Dish Antenna. This is evidently NOT the Larry Schotz design manufactured by Terk Technologies and Parsec, as I mentioned in the 9/89 column. The ads sent to me on them contained nothing that appeared to be in any way misleading. But this review, from the 8/20 *New York Daily News*, describes tabloid-type advertising: "This state-of-the-art indoor parabolic antenna is so advanced and so efficient, in many areas it can actually deliver as clear a picture as a costly roof-top antenna installation." No doubt it could if you're a few miles from the transmitter. The review reports, "Okay, so just exactly what is this little marvel of TV technology? According to broadcast engineer Jim Schoedler, 'It's just an ordinary pair of rabbit ears with a little bit of painted plastic that makes it look like a satellite dish.' So much for appearances. How about performance? Jim and I tested it on a TV set in my office. The picture I got from the roof-top antenna is quite normal. But when Jim hooked up the GFH-100 according to the directions, the reception was terrible. The picture had no color; it was jittery and full of wavy lines and interference. We could barely see the image on the screen. No amount of

fiddling with the two 'tuning' knobs under the dish would bring in a clear signal. Jim and I agreed that the GFH-100 was just a piece of cheap plastic junk. These little dish antennas are sold by mail order under various names for between \$8 and \$10, depending on which magazine ad you happen to see. They're often advertised as promotional 'giveaways' or 'prizes' in a sweepstakes contest."

From the 9/14 *N.J. Herald News*: It happened again. Another television station mistakenly aired pornographic footage during family programming. This time it was KABB in San Antonio. "A television station inadvertently aired several seconds of the final strobe-lit rape scene from the movie 'Looking for Mr. Goodbar' during a morning children's program. The scene was broadcast Tuesday on KABB-TV in the middle of 'Real Ghostbusters,' a program that airs from 7 a.m. to 7:30 a.m. Apparently one of KABB's producers was editing the rape scene last week to air at night while the station was receiving a satellite feed of the cartoon. A station technician hit the wrong switch and the scene was edited onto the station's videotape of 'Real Ghostbusters,' said Sam Bickel, KABB program director." I commented last time that someday this is going to happen on one of those religious stations.

The 9/4 *New York Daily News* reports, "Folks upstate can relax. Weird Al Yankovic didn't mean it personally. We're talking hear (sic) about the comedian's first movie, 'UHF.' A turkey of a picture that premiered in July, Yankovic starred as a loser who gets to run Channel 62, an ailing TV station his uncle won in a poker game. 'Naturally, some people took offense,' says Gene Collins, station manager at WTZA-TV in Kingston. The independent station is otherwise known as Channel 62, and covers the stretch between the city and Albany. 'But I don't think it was intended to poke fun at us,' adds Collins." "Still, there were moments. A rumor circulated that Weird Al vacations in Woodstock - which gets WTZA - so he must have modeled the movie after the station." Maybe he should have picked channel 37.

The 9/25 *Daily News* reports, "Fox Television is trying to buy the call letters of Atlanta Radio Station WFOX, so it can use them to rename its New York station, now known as WNYW/Channel 5." "The station, known as Fox97, recently spent nearly \$1 million for a major campaign promoting its format and a logo change."

TOM BRYANT (Nashville TN) looked further into some confusing information I reported in the August VUD on KBME, ch. 3, Bismarck ND. He wrote in a letter dated 8/10, "the whole thing sounded suspect to me so while I was vacationing in Bismarck, in July I called the engineering department at KBME. They informed me that to the best of their knowledge there were no changes planned or proposed but conceded that there might be something they didn't know about going on a PPTV headquarters in Fargo. After I got back here I called Dennis Falk (a native of my home town), President of PPTV in Fargo; and he was surprised to learn that there were published FCC proceedings regarding technical changes in Bismarck. To set the record straight, NO

changes are in store at KBME! He told me that he planned to see if he could determine the source of the erroneous information."

Meanwhile, Dennis Falk contacted A. Bruce Jacobs, director of engineering at Prairie Public Television, who responded back, and to Tom Bryant, "We re-licensed KOSE-9 Dickinson, KBME-3 Bismarck, and KWSE-4 Williston for lower power mainly because of the desire to increase our tube life. As you are aware, tubes are getting more and more expensive. The \$916 used for the visual final now costs about \$6,000. We found that operating our transmitters at their rated power of 25 kw stresses the tubes and cavity parts to the max, resulting in very disappointing tube life, sometimes as low as 5,000 hours."

"When our tower for KSRE-6 fell in an ice storm, we got a deal on a used antenna that had an extra bay and associated extra gain, which required only 20 kw for full ERP. The visual final now has over 5,000 hours!"

"We decided to test the reduction to 80% power, which is only 1 dB (if you connect a calibrated attenuator to a TV, you will be hard-pressed to tell the difference in a 1 dB drop in RF level). After performing the change to the Dickinson transmitter, we received not one reception complaint. Based on this result, we decided to drop Bismarck and Williston as well. We have not received any complaints."

PAUL GAINES (Detroit MI) asks about a few unidentified stations. An unidentified PBS on ch. 64 in the midwest would have to be a translator. To the east could be W64AK, Conneaut OH, or a more distant one to the SSW is W64AV, Hopkinsville KY. I know of no other channel 64 translators in that area, so maybe it's a new one.

Nor do I know of a channel 24 TBN translator or LPTV in the direction of Chicago. I see no record of a TBN channel 39 in Marion OH, as Paul suggested, but there is W39AI in Youngstown OH, which is TBN. Maybe somebody in the midwest can help with some of these stations.

New member DOUG SMITH (Madison WI) adds more info on that LPTV station which uses full service television station call letters: "Regarding the WSSM-TV reported in March, in case this mystery hasn't already been answered, WSSM-TV and K54DB are the same station. WSSM-TV is a registered trademark; the FCC doesn't know (or care) about it. They are known by that trademark in the local TV listings and in the phone book, however the official callsign is also used in some IDs. Speaking of this station, they recently changed their (read) callsign to W54BH. Which makes me wonder (especially given how quickly they were able to put K54DB on the air after the demise of W05BD) whether K54DB was actually licensed to Madison, or if it was a license for some other community (Iowa?) that was temporarily used here after W05BD died? By the way, this station is also looking at putting up another LPTV in Janesville, Wis.- channel unknown."

"I work for WISC-TV channel 3: any readers who receive our station with verifiable details should write; all accurate reception reports are verified with a letter. Unfortunately, inaccurate reports seem to involve people receiving WJMN,

Escanaba, Mich. and assuming it's us. WJMN is a satellite of WFRV, ch. 5 in Green Bay, and as such often carries Wisconsin news and ads. However, it's an ABC affiliate - we're CBS. While less likely to be a problem, KDLH Duluth, Minn. also serves the city of Superior, Wis., and Wisconsin news and ads might also be seen on this channel 3 station."

A few articles of interest from BRUCE ELVING (Esko MN). The 9/13 Portland (Maine) Press Herald reports, Low Power station pulls the plug! "Six months ago after its low-powered signal flashed out from the Sonesta Hotel roof, the television station WAR 24 is off the air. The station, which specialized in old movies and local arts and sports, died because it couldn't find enough advertisers and because it couldn't get its programming on Portland's Public Cable System, its owner said."

Also from Bruce is a note written by a TBN official about the ch. 58 LPTV in Duluth, MN: "We plan on increasing the elevation in Minneapolis which should solve some coverage problems. The station is ID'd by FSK vix cw every 15 minutes." Bruce comments, "I have never been able to perceive the FSK detonation of ID on this translator (er, low power station) as the letter alleges. Also they mention their plan to improve the Minneapolis translator (also on channel 58, I believe)." Do you mean W58BS in Minneapolis? And could somebody tell me what FSK means?

DAVE SINCLAIR (Vancouver, B.C., Canada) writes, "I read with interest the info from William Lindsay of Lynwood, Washington, about KONG-TV. It is unfortunate that KONG-TV did not make it on air; their original on air date was Feb. 1/84! The last I heard several years ago was that they were trying to reorganize financing. I hope that someone brings it on air. At least KORG-TV Channel 24, Anacortes, Wash., did make it on air for a short time in early 1987!"

"Last June I sent you an item from the Portland Oregonian about a TV Guide collector in New York State. I am left with the impression that you would not want to publish his name thereby giving him free advertising." I must have missed the article, because I don't remember it. Was there something else relating to television on the same clipping?

And this article sent by Dave, from the 8/21 Playback: "The CRTC has denied a request by CHUM Ltd.-owned CKVR-TV of Barrie, Ont. to disaffiliate from the CBC and set up a twin-stick operation, which also would have brought full CBC service to the area. The CRTC decision grants a full five-year license renewal to CKVR based on its existing format, noting it has consistently exceeded its promise of performance. However, the commission concluded that neither the central Ontario audience nor the television market now served by CKVR would benefit from its disaffiliation from the CBC."

FRANK ADEN (Boise ID) reports a KPVI translator in Idaho Falls, channel 12, of which I have no record. Must be a new one. He also reports that K49AZ in Twin Falls went bankrupt. And a channel 43 LPTV in Boise was seen testing the beginning of October.

That's all for this month. Happy DX and Happy Thanksgiving.

FCC FM NEWS

Readers' Reports—A VUD Exclusive!

Two Canadians report in at the beginning of this month's column. Andy Reid notes the mistake, caught earlier, of Bracebridge ON not shown on 100.9 (Fmistake FM Atlas-12, p. 94). He is aware of a mystery CBC station approved in Fraserdale ON 91.9 and Rolphoton ON 96.7, "which FMA seems unaware of. Would you like more info on this? I can get you decision numbers and dates if that is any help. Isn't Beardmore ON receiving a CFNO relay as well?" They're all questions I'd like more information on. Any help from the CRTC would be appreciated, but more than decision numbers, it would be good to get full technical parameters—EHAATs and ERPs, and call letters, if known. Andy also sent something from the Canada Gazette about the CRTC calling for a draft policy affecting FM radio, and will be asking for public comment. "The policy will most likely be considered at a public hearing in the summer of 1990. The Commission intends that the final policy will be published by the end of 1990. To allow for the review of the FM policy, the Commission proposes to renew administratively, for a period of two years, the licences of most joint and independent FM stations expiring in 1990. Consideration of applications for licences for new FM stations received after April 14, 1989, will be postponed until after the completion of the policy review." So there's a freeze on new FM stations in Canada. DXers might want to make the CRTC aware of their concerns that FM stations of Canada be legally identified with call letters and numbers (such as CKO-FM10) and city of license of all commercial, CBC and public stations, including individual relayers.

Andy would "pay more for a larger format in order to make the maps clearer" in the FM Atlas, which he claims is a "great effort [and] before I go I'd just like to say that my favorite part of FCC News is AM Happenings. I am most pleased to see redundant AM stations going by the wayside."

Alain Pepin sent word about stations in his area on the air, or embracing stereo. He's heard what might have been the new Theford Mines on 103.3, with progressive rock, but too weak thus far to tell if it is broadcasting in stereo or not. After talking with him, I wonder if he isn't getting the new CFJO 103.3 Joliette PQ, said to be on the air?

Wanting me to better define the many variations of rock music is Paul Losner, who says: "There is a large variety of rock. It would be helpful if you would break up rock oldies, top 40 and slow rock into three different codes. Thanks. I will continue to give you the latest station information for the Atlanta area." He also noted the FCC endorsing certain Class A FM stations going from 3000 to 6000 watts; none of those granted yet, but later this month the FCC is expected to publish a list of stations that could qualify for the 6000 watts.

Tim McVey sent some technical information on SCA and on the Icom R-7000. "Very good to have met you at the convention this year!" Another person at the convention I enjoyed meeting for the first time was Jim Renfrew. Jim writes with news of many stations in CA off the air, and says: "It was a pleasure to meet you (and many others) in person at the WTFDA gathering in Syracuse. It's always nice to match names with faces!" Jim would like to see the FM Atlas on larger pages. "A shortwave frequency guide that I own, 'Passport to

Bruce F. Elving, Ph.D., Editor
Box 336
Esko MN 55733-0336

Contributions earnestly solicited!

World Band Radio', is approximately 18 by 25 cm and very handy to use."

Long-time WTFDA member Gary Olson sent an article from one of the Chicago papers on the Satellite Music Network, which goes out via an uplink at Mokena, a suburb of Joliet. The article also discusses the wide variety of formats or should I say "positionings" that stations can take? They're not really format variations, and I hesitate to modify the categories used here to reflect such variations of what is often the same type of music. And, I'm not inclined to go along with Paul Losner's suggestion (see above). The article, under the subhead "A dizzying selection," mentions the following radio formats: mainstream AOR, classic rock, eclectic AOR, heavy metal, mainstream a/c, oldies a/c, soft a/c, classic hits, contemporary a/c or adult CHR, dance oriented CHR, high-energy CHR, mainstream urban, adult urban, heart and soul, new wave, nostalgia big band, beautiful music or easy listening, classical. "Have you had enough? Well, there's more. It includes all-business, all-sports, all-talk, all-country, all-comedy stations—not to mention at least one short-lived all-Elvis station. It's hard to argue with [Kurt] Hanson [president of Chicago's Strategic Radio Research] when he opines, 'It's a vibrant industry. It's not like toothpaste.'"

John Ebeling sent word, through Radio-Electronics, Oct. issue, about a new IC chip, the Rohm BA-1404, which is an FM stereo transmitter. The chip sells for about \$1.50, and is powered by one or two AA batteries. One of my FMedia! subscribers called the Rohm company and learned about their willingness to work with experimenters. This device can be teamed up with a CD player or cassette unit, an FM tuner, or just about anything with a stereo audio output and enable such devices to be broadcast to nearby FM radios, like walkpersons and FM car radios—in stereo. For more information call Rohm at (714) 855-2131. Ask for the Microsystems Division and then ask for Warren Shoals or Frank Hase. They will send out literature on the IC, which could presumably spray FM DX that your tuner gets to all the little radios in your house, although blocking DX reception on the frequency on which it is broadcasting.

Another item about low power FM comes from Canada where Winnipeg real estate radios are proclaiming the virtues of houses for sale, thanks to the CRTC for sanctioning such activity. In Toronto, without CRTC blessings, a company called VOXX, Inc. is selling machines to realtors and stores, with customers parking in the lot, hearing a pitch for a business. Messages can be up to 72 seconds and broadcast up to 100 meters on an unused FM frequency. "Dozens" of the low power devices are broadcasting in the Toronto area without the benefit of a CRTC licence. "It is a new niche in the broadcasting and radio market and everybody is scrambling to get into the niche," said Stan Misiewicz, owner and operator of Talking Signs, Inc. At least 2000 of the devices have been sold in Toronto to real estate agents and brokers, and the company "plans include the use of mobile devices plugged into automobiles to promote a diet product to people in nearby cars, and a bus company in the U.S. has been using the devices to broadcast information to people approaching bus stations. How well the signs are working for realtors is unclear, but "something uncommon helps catch someone's eye." Thanks to Saul Chemos for sending that article.

Changing its calls to WYCL, 107.5 Boyertown PA will

be going r (top 40), according to Bill Nienajadly. Look for official word on the call letters' change from WBYO in next month's FCC-FM news. Bill also sent word from Karl Zuk's column in the IRCA bulletin about WHOT 91.5 Brooklyn pirate being busted by the FCC. The FCC had long known about the pirate, but this time came with a truck and completely dismantled the station, which was located near Coney Island. "The news traveled fast. Suddenly, the very active pirate radio scene in New York city had been squelched. At its peak, there were as many as two dozen active pirates. They even created, out of necessity, a frequency coordinator to avoid interference with one another. So far, the feds have not prosecuted the operator of WHOT." Bill predicts many small market stations will dump their AMs as that medium continues its "downward spiral." He sees big city AM stations surviving as long as they don't do something lame. He predicts a major health study to come out and show that many cancer-related problems will be the result of closely towers. "A public outcry will force many TV-FM and AM stations to move away from residential areas or cut power. Lawsuits may result. Low power FM will become a reality much to the disliking of FM established broadcasters. . . A reallocation of the entire AM band will take place before the year 2000. After an almost total deletion of small market low power AM daytimers, AM station owners will band together and push for new FCC regulations favoring AM over FM. Manufacturers will be forced to make highly selective FM radios because of station crowding on FM. High selectively FM tuners will be common and cheap. Quite a few FM stations, in small and big markets, will fail financially because of intense competition on the dial within two years. Bill sent word about a ham on St. Croix VI relaying news about the island, damaged by Hurricane Hugo. Later reports indicated some TV and FM stations went off the air in PR, SC and NC.

Karl Zuk writes to me directly and mentioned WCWP *88.1 Brookville NY getting interference from WARY 88.1 Valhalla NY. WARY is testing on the new frequency, getting ready to vacate 88.5, so that WEDW 88.5 Stamford CT can begin. "Ninety point three is an interesting frequency here [in Croton-on-Hudson NY]. It is shared by WBAU, Adelphi University, and WHPC, Beacon Community College. WHCR, in Harlem, actually makes it up here on a good day. [WHCR monophonic? b.e.] WBAU operates in the morning only on Friday, Saturday and Sunday, leaving the frequency open four days a week for a few hours. On those mornings I clearly hear WAMC from Albany, with their NPR programming. I also heard a religious station cutting in on it every day—WCIH Elmira NY, with 7000 watts, transmitting from a high hill just over the Pennsylvania border, idling with WCIK in Bath NY. They broadcast the Family Life Network, with USA Network news on the hour. Their phone is (607) 776-4161. . . They were amazed that they were getting out so far! I hope you like the article about the FM Atlas. I think I'm getting FMedia! through Monitoring Times now, as well as seeing it in VUD. Keep up the enjoyable work!"

Mike Hardester sent word from the orient. "I'm presently stationed (for the second time) on Okinawa, and am hoping my DX gear arrives soon. The last time here, except for an FM tuner, I had no FM DX capability. This time I'll have a Sony 2010. However, I have no idea how good its performance is on FM. Still, I'll give it a shot." He sent some FM information from the Okinawa edition of TV Guide, which he claims does not appear to be connected to the stateside publication of the same name. FM stations listed are 89.1 Okinawa, eight in Korea, and five in the Philippines. I think the frequencies are military, AFRTS ones. "There is a good possibility the United States will be closing their bases in the Republic of the Philippines by 1991. The government of the Philippines has expressed a strong intent to require closure of the bases and assuming

control of them. If this occurs, AFRTS outlets of the Far East Network will most likely be closed, so log 'em while you can!"

Rod O'Connor has been doing some checking on AK military stations and public translators. The KSKA translator in Dutch Harbor transmits from atop Haystack Hill at Unalaska, "and is the only FM station in the eastern Aleutians. A pretty good signal, considering the mountainous terrain there. . . It was great to look through the FM Atlas. I can't believe all the new FM stations coming on back in Maine, where I used to be stationed." He also heard some rare AK DX, getting from Kodiak all the Anchorage stations at 418 km, but no Fairbanks.

Bill Fait has heard the new WXXM 98.9 Upper Arlington (Columbus) OH; do they broadcast in stereo? He's also heard country-gospel music on WLCO 100.9 Clyde OH, not Spanish, so if a format change has occurred there I'd like to know. Atlanta's Gary McKee signs off WQXI-FM 94.1 Smyrna-Atlanta after 18 years. Seems the station's ratings have not held up well enough to retain him in later years, although up to 1985 it had almost twice the audience of its nearest competitor. The latest ratings had it at seventh out of 19 stations. McKee did what people newly fired are advised against doing—he was on vacation and not available for comment.

Gus Mancuso said, in Philly, WIOQ 102.1 and WPGR AM 1540 are still fighting the oldies war, while WEAZ AM 560 surrendered, now simulcasting 101.1, mr. "WMGX surrendered, now playing a nausea-light format," whatever that means. Is it lame, Bill N. would ask? Baltimore oldies survivors Gus lists are WQSR 105.7 WYST 1010 AM, WITH 1230. Dropouts are WFBR 1300, now B. R. N. financial news, and WCBM AM. Regarding format designations, he'd use "r" for CHR, "f" top 40, "o" oldies, "ro" classic rock, "m" MOR. "If between b & m use 'bm', light rock use 'rm'; WPGC would be 'sf', kind of a white man's soul station. WMMJ 102.3 new format would be 'mo'. The important thing is to stop keeping rock, pop and oldies together." Gus adds "AM happenings caused by FM: How about the proliferation of Class IVs ('graveyard') playing oldies as a last gasp effort to hold onto listeners (WOL DC, WOND Atlantic City, WARK Hagerstown MD, etc.). Some 5 kws too—WAMS 1380 DE. P. S. When was anti-duplication rule repealed?" [It was during the Reagan era, seems it was before 1987 when I started publishing FMedia! and keeping better track of such happenings.] Called Receptor, a small watch-like thing, will be a pager selling for \$250, to respond to FM-SCA pagers at 67 kHz with alphanumeric printings (not audio). "The watchband is the antenna and power is delivered by a battery slightly larger than used currently for electric watches," according to an article Gus sent.

John Marx sent an item about the Wisconsin Radio Reading Service being broke and off the air. At last word, it's back, heard statewide on WI Public Radio, 88-92 mhz, at 67 kHz, but pared back. Now it is on 7 to 8:30 a. m. and 5 to 7 p. m., with MN Talking Book for the Blind heard after 7, including MN's pornography. Instructional programming and fill music take care of the daytime hours on WPR's SCAs. John says WTFX 94.1 Watertown WI aired the sound of a human heart beating for about eight hours immediately before changing to "The Fox." "An attempt to build anticipation, I assume."

Glenn Hauser sent lots of station news. One of his prospective locals, KGPD 95.7 Lahoma OK, is applying for an extension of time to build. He'd like to see more sanity in the TX maps in my atlas. Would-be Vail CO Christian broadcasters are trying to sell a statue of the Loch Ness monster and donate the proceeds to their cause. The article Glenn sent from the Vail daily paper didn't state whether the new station would be that, or a translator.

Ralph Strobel sent a long tape of his DX, including

what sounded like WXTS *88.3 Toledo, received in June, before its summer hiatus. No way did the calls sound like WAMP, its former designation. His tape also sounded like KRAA 93.7 for KRAI-FM Craig CO. Look for his DX report; it should be very impressive! I listened to the tape while painting the garage, so could not stop the machine and relisten to things because of not wanting to disfigure the cassette unit. Speaking of tapes, I will lower the price of the Conelrad tape from 1959 and 1961 to \$2.00. The first two dollars that comes gets it. I had overpriced it, and the person who sent it only wanted me to collect what the raw tape plus shipping would cost. I'll sell the tape Ralph sent for \$5. I think it's a TDK C90, including list of stations on it.

Frank Aden, Jr. updates on FM in ID, saying the proposed station in McCall on 101.1 will probably only relay a KQFC, and will become a Class C3. His local newspaper is about a year and a half out of date when it comes to radio listings. "I have called their entertainment editor a few times but they do not seem interested. Some day soon I will send them a corrected copy."

One source, sending information on the SCAs of MI and OH, wrote: "I called you this evening to provide you with some additional local information for your FM Atlas; unfortunately you were not in, and I was advised you do not return long distance calls."

Paul L. Gaines sent a Detroit Free Press column about profanity on radio, and it was noted that nobody in that market broadcasts like Howard Stern or "Bob and Tom" do in Indianapolis.

"What is this nonsense about putting 100,000 watt stations on Class A5 anyway?" snorts Frank Merrill, who was also at the WTFDA-89. "This is a trend which will decrease, not increase, our totals!" Like Ralph Strobel, he's gotten his share of tropes. He has heard WCRI 98.5 Eureka IL testing, and I'd like to know if it has stereo when it comes on, and its music format. "WGEM-FM 105.1 Quincy IL still signs off (0100-0500), but WQCY 99.5 is 24 hours, unlike last year. With 102.3 now 24 hours, I think the silent period on 105.1 is probably doomed."

"Bruce, when you see my next Southern FM Report, try to ignore the 'KVIA 93.9 TX El Paso, V-94 FM'," writes Keith D. Pugh. "I can't figure out how I came up with that one! Am I losing it or what? The call is familiar, though. You've done another great job with the FM Atlas. I can't even complain about the small print. . . Keep up the good work with the FCC column and FMedia! even though I haven't yet subscribed. I will at a future time." [Subscribing at a future time is going to cost more; the \$18/year rate to DXers is in effect now until Dec. 1; after that it could go as high as \$45/year—b.e.] "Do you have any info on Cuban FM stations? I'll most likely delete from my log 92.3 Cuba after hearing from Ralph Strobel that it's probably Hialeah FL. . . 93.5 mentioned Santa Clara, but is there a 93.5 in Cuba?" Keith also wonders if Evergreen CO may have finally come on the air on 96.5. He heard, via skip, ads for Winter Park and a "channel 2" on 96.5 July 23.

Charles Gauthier in Brossard PQ thinks my FM Atlas

is "the best publication of its kind I've ever seen. Since I've always enjoyed your VUD column for its accuracy, I would like to correct myself about the station at the Montreal Jazz Festival." That correction appears elsewhere in this issue. "By the way CIBL [Montreal] is still on 104.5; they've had problems obtaining the authorization for putting up their antenna on the Olympic Tower; the decision is still pending!" It was Charles who told me about the new Joliette station on 103.3, so maybe by now Alain Pepin has sorted that frequency out and decided which he may have heard. CFJO (no parameters known) does broadcast in stereo.

Back to "lame radio," Bill Nienajadly accuses "98-Q," WDAQ 98.3 Danbury CT of having such a format, as does WMJV 105.5 Paterson-Pawling NY. "Heh, I'm glad to see the new buzzword is 'lame' radio. I noticed it in FMedia! I guess it really caught on!" Not exactly agreeing with Bill is Philip Michael Martin, who writes:

"In defense of WZVU ('Call Letters Assigned' July, 1989, FMedia!), they HAD to make some kind of change. With their locally-produced AOR format their rating had slipped from 3.3, good for 11th in the Monmouth-Ocean market's spring 1987 rating, and now showing a 1.8 and 19th place in the latest ratings. In going to their AC format that includes some borderline jazz/rock/new-age material, WZVU should increase their appeal to a slightly older market. . . As for your reader, I really don't see where anyone who has the capability to listen to stations ranging from Danbury CT to Long Island and the Jersey shore, and can list 11 stations in three formats that he still listens to, should get too upset about there being too many 'lame' stations not playing upbeat music. My listening range is similar and I don't complain; I either take advantage of such range, or play tapes!"

"To a slightly related item, I've just put together a tape called 'Hot City Set 12: New York city and vicinity, 92-108 FM'. It consists of scoped hours of New York city's contemporary stations from within and slightly beyond my listening range, and IDs from non-contemporary music stations. All airchecks are from mid-September 1989. And, it all fits on a 90-minute tape and is arranged in frequency order. Best of all, it sells for \$6, while other aircheck producers are selling their hour to hour and a half tapes for seven to eleven dollars." I can recommend Philip Michael's airchecks. Send your remittances direct to him, made out to No. 1 Market Airchecks, PO Box 568, East Hanover NJ 07936.

"Please print in FMedia! or in the VUD how to obtain from you information on the distances required for separation of FM stations. I am wondering if WKSG 102.7 Mount Clemens MI's coverage problems could be helped by co-ownership and simulcast with 102.9 WIQB Ann Arbor, which ruins Kiss-FM's reception on the west side," muses James J. Nahimiak. My FCC FM coverage curves and distances separations are \$3 postpaid. They might not help for WKSG-WIQB, for those stations could be "grandfathered" at reduced spacings from each other. "Possibly a transmitter move, power reduction, or move from 102.9 to 103.1 could help. Maybe WIQB becoming a Class A on 103.1 would allow WKSG to move to a more central metro Detroit transmitting site."

Los Angeles' loss of KFAC 92.3 to classical and replacement by KKBt 92.3 with rock is mentioned by W. R. McIntosh. The KFAC calls are being transferred to 88.7, KSCA Santa Barbara. Lots of print in the local media about the format change, but "there was more heat than light. There was a more or less formal hand-over of the classical baton from KFAC to KUSC, although KUSC has not increased their classical music programming—in fact, they've made noises about doing less of it." KKG0 105.1, the jazz station, has gone classical from 5 a.m. to 9 a.m. and 5 p.m. to 9 p.m. "They hired Tom Dixon, who had been with KFAC 92.3 for 41 years to head up their classical music

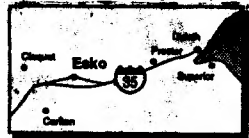


Deano Day, longtime country music king now spinning the oldies at CKMR-FM (93.9), is today's TCL poster child.

FCC-FM

"Several other stations on FM have also made noises that they're watching the situation and might add some classical music: KCSN, 88.5, which went to a country music format some time ago, has taken flack for doing so. They used to have some classical music. Now they say they are 're-evaluating their format'. In other words, KFAC left a big hole in the Los Angeles classical format, and several stations would like to pick up some of their 300,000 estimated listeners, but KKG is the only one to make a positive move." Mc also sent a report from the "Los Angeles Times" about the ratings, with KPWR 105.9 losing its No. 1 place to KOST 103.5, according to Arbitron. KOST's appeal is with the 25-54 age group, having announcers who have been around since about 1982—people that group can feel familiar with. Next are KPWR, KIIS-FM 102.7 and KQLZ 100.3, "Pirate Radio." No longer in the top five is KABC AM, which is No. 6, dropping from third place.

Another contributor writes: "I fully agree with your comments on p. 9, Sept. '89 VUD, regarding Les Remmer. It did seem he was pointing you out in his 'Feedback'. Well, he was! I can't see anything wrong with pushing publications or anything else that can help an individual enjoy the hobby of DXing. If you profit from it, it's fine. Every one of us pay club dues. If someone is offended by 'plugola' they should skip it and forget they saw it. Many ARE interested in what's being pushed. Bruce, please don't use my name if any of this goes to print." Les indicated that the location where the WFFDA convention was held in 1987 was "not on the map." Esko MN is not on the Rand McNally, but it is a township with a population of 3,000, of which my wife, Carol,



is town treasurer. It has its own high school, where Kristine, 18, is a senior, and the only Esko person currently a semi-finalist in the National Merit Scholarship competition. About 90 percent of semi-finalists become finalists, so we are praying for Kristine. Location of quiet Esko, where a good friend of ours was murdered by a step-son, and where a high school boy plotted the paid slayings of his parents (but the contract killer pulled out of the pact and warned the parents) is shown in the inset map.

Classical to infest KCSN?

Now to news that appeared last month in FMedia! newsletter. This month, you may find this column has more news and is larger than FMedia! If the VUD comes in time, I hope to have a section in it, "See Also"; otherwise, look for that feature next month.

New FM Station, Translator Grants

AL Trinity (Detroit) 92.5 3000 h.v.; 100 m
AL Vernon 106.5 3000 h.v.; 100 m
AL Winfield 105.9 3000 h.v.; 100 m; J. B. Pate
AZ Camp Townsend (14 km NE Flagstaff at 35-14.45; 111-35.95) *91.3 K2178M (translator of KILA 90.5 Las Vegas NV)
AZ Cottonwood 105.7 38 watts h.v.; 779 m
CO Woody Creek K206AO *89.1 KAJX 91.5 Aspen, on air (m, Lara B. Goldenberg)
CT Enfield (Springfield MA) 97.9 3000 h.v.; 100/ FL Beverly Hills 97.1 2600 h.v.; 108 m
FL Waterford (Lake City) 105.7 3000 h.v.; 100/ GA Brunswick WIDI-FM 100.7 8000 (h), 168 m booster of Brunswick station—to be one of the nation's highest power FM boosters! Booster necessary because of primary's transmitter site more to near Hickox GA.
GA Folsom 92.5 3000 h.v.; 89 m; Jack R. Mays
HI Kahala 103.3 3000 h.v.; 243 m
KS Manhattan 104.7 5000 h.v.; 150 m
KY Millertown (between Leitchfield and Munfordville) *90.1 10000 h.v.; 117 m; FM 90.1 KY Monticello 93.1 1050 h.v.; 168 m
KY Shepherdsville (Louisville) 104.9 740 h.v.; 168 m; Clara Tow/h.v.; 100 m; R. Best, Co.
LA Rayne 106.7 3000/ Communications, Inc.
ME Howland 103.9 3000 h.v.; 100 m; Bay/ MI De Witt (Lansing) 96.5 3000 h.v.; 100 m
MI Oscoda 95.7 5000 h.v.; 150 m
100.1 3000 h.v.; 100 m
MO Warren 99.9 3000 h.v.; 100 m; Kaspar Best, Co.
NE Bennington (Omaha) 93.3 3000 h.v.; 100/ NE Omaha 105.9 3000 h.v.; 100 m
NH Jackson 98.5 100 h.v.; 191 m
NY Poughkeepsie 96.1 3000 h.v.; 100 m
NC New Bern 94.1 900 h.v.; 182 m
OH Harrison (Cincinnati) 104.3 3000 h.v.; 100 m
OR Myrtle Point 94.1 2200 h.v.; 114 m
PA Radnor Township *89.1 700 vertical only; 88 m, Cabrini College—had applied for 88.5, but conflicted with WXPX's application in Philadelphia and Villanova (see below)
PA Sellersville *88.9 Bux-Mont Radio Assn. Had applied for 88.7, "which was mutually exclusive with the WXPX application. In the settlement, Bux-Mont agreed to use 88.9 instead of 88.7. Bux-Mont's transmitter will be far enough outside WXPX's new 60 dBu contour to prevent mutual interference." Bux-Mont is licensee of WRDQ Westminster PA, which operates a translator, W204AD in Sellersville. The new Class A station, which will operate with 100 watts ERP (133 m), vertical polarization only to minimize channel 6 interference, will replace the translator, and will use the same site. "Is WRDQ stereo?"
PA State College 94.5 610 h.v.; 192 m
PA Villanova *89.1 (had applied for 88.5; to share time with Radnor Township 89.1); 700 watts vertical only; 68 meters; Villanova U.
"Cabrini/Villanova will be required to use vertical polarization only, to minimize interference to WPVI-TV (channel 6 Philadelphia). Their transmitter will be within WXPX's new 60 dBu contour; however at 89.1, they will be third adjacent to WXPX, and as part of the settlement, WXPX has agreed to accept the resulting minor interference problem (and will share a common transmitter site on Cabrini's campus, although I believe they will have different call letters and separate studios.

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Their campus is only about 3.2 km apart." SC Greenville *91.7 3000 h.v.; 91 m; g. Tabernacle Baptist Bible College
SC Murrells Inlet 94.5 3000 h.v.; 100 m
TX Mason 97.9 5000 h.v.; 150 m
TX Midland *90.1 3000 h.v.; 91 m; g. Radio Ministries (Arlington AR), on air
TX Texarkana K224- 92.7 (KARD 92.1) UT South Ogden K229ED 106.3 (KSSOS 106.9) (booster) Brigham City
VA Blacksburg WROV-FM 1 96.3, 30-watt/ VA Chase City 99.9 3000 h.v.; 100 m; Patricia B. Wagstaff
VA Harrisonburg *88.7 260 h.v.; 15 m/ WI Peshigo 96.1 3000 h.v.; 89 m
SC Eight rebroadcasters of CJFW 101.1 Terrace to be on 96.1 and 97.1, but no locations given, save for mention of studios for one-in Greenville SC. Denied Simon Fraser University Campus Society an FM (10 watts on 100.1) to replace its carrier-current operation. BC Victoria (to serve a portion of) CBUL-FM *105.1 38 watts h.v., c, s, relay of Vancouver station; also affiliated grant of the CBUL-FM relay in Victoria on 92.1 with 7200 h.v. NF Deer Lake CKWK- 95.1 10 watts h.v., relay of Corner Brook station (Clare Assn. NS Yarmouth 104.1 39300 h.v.; Francis/ Radio/ PO Juliette CFJO 103.3, r, facilities not known, but uses nonID, "Le Nouveau FM Progress." "Call letters of temporary Montreal station given last month were CJ2Z, not "CJHP." But "I never really heard the call; they were mostly using the slogan 'Radio Jazz'... The small station asked the CRTC to get CJAZ, but they were told those call letters were already taken by a Vancouver station. Most of the people who ran CJ2Z were from CIBL 104.5 (not yet moving to 104.7) and CING 102.3, both Montreal community stations. "This station, or the new one without known call letters in Thorford Mines, may be what Alain Papin has heard. He will be checking further. Music was progressive rock, "too weak to tell stereo." PO La Sarré CJMN- 92.5 47 watts h.v., relay of Rouyn-Noranda station
PO Middle Bay CFBS- *93.1 18 watts h.v., relay of Blanc Sablon station
PO Rivière St-Paul CFBS- *83.1 9 watts h.v. SK Saskatchewan 102.1 10000 h.v.; to be, \$, b. High-Line Best, Co.
NT Nine rebroadcasters for CKNM 101.9 Yellowknife, all with 10 watts on 101.9. These may be as in the FM Atlas, p. 175.

Call Letters Assigned

AL Bay Minette 105.5 WMMV (WMLL-FM), "V-105," still s
AL Prattville 95.1 WFXF (WQIM), r (classic rock), "The Fox," 10 with Montgomery
AR Pine Bluff 94.9 KOLL (KZLR), r (oldies)
CA Barstow *91.1 KRGM
CA Los Angeles 92.3 KKBT (KFAC), r, "rock with a beat—60% contemporary, 40% current." It is "hard to believe that the greater L. A. market cannot support a commercial classical music station. Although, personally classical music is not my favorite, it is... preferable to some sort of lame, boring rock, AOR, CHR, dance-pop music station... I'm sure someone else will quickly fill the gap, provided they are more interested in a smaller, loyal and more refined type of radio listener. With so many FM and AM stations on the air, I am constantly reminding my clients as well as friends in the industry that station owners will have to accept smaller, more specialized audiences, and that sound-like homogenized stations just won't cut it in the '90s and beyond. I hope classical music lovers rally together and put pressure on KKBT to bring back KFAC in much the same way that

FCC-FM

WBHI A Phantom Chicago 10-Watter

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listeners loyal to the 'City', the now defunct but resurrected KCY D (in San Francisco). Let the FCC and station owners know, in writing, how you feel, and make as much use of publicity to support classical KFAC as possible." (classic rock)
CA San Diego 102.9 KSDD-FM (KSWV), now r/ CA Ukiah 103.3 KUKI-FM (KUKY), not "103.1" as shown on FM Atlas-12 map, p. 74
CO CRAI 93.7 KRAI-FM (not changing to KRAA), although on Ralph Strobel's tape it says sounds like KRAA. Can anybody check further?
CO Denver 100.3 KXLT (KMJI), "XL-100"
CT Hartford 93.7 WLVI-FM (WLVI; AM is in Manchester CT)
DE Laurel 95.3 WDNO
FL Columbia 102.7 KA2XXZ (not KA2XXE), 130 m (250 h.v.); "Disney Radio" monophonic. Also carrying information about other FL tourist attractions.
FL Green Cove Springs 92.7 WZAZ-FM (WPDO; AM is in Jacksonville)
FL Havana 104.9 WIMV (back to, from WWBA), now s, s ("y&b"), "V-105"
FL Orlando 105.1 WQMX (WBWJ-FM), still r, but "adult rock," and "Mix 105.1"
GA Albany *91.7 WUNV ("Rock-103," r/ GA Columbus 102.9 WVRK (WNKS), r/ IL Eldorado 102.3 WBOB-FM (WDRW; AM is in Harrisburg)
IL Harrisburg 99.9 WOOZ (WBOB-FM), "Z-100"
IN Washington 107.9 WAMW-FM
IA Des Moines 94.9 KGGO-FM (KGGG; AM gets new calls; see "AM Happenings," below)
KS Hugoton 106.7 KFXX (KHUO)
LA Brusly 96.3 KIEZ
MA Marshfield 95.9 WATD-FM (WATD-FM; AM in Brockton gets new calls)
MA Orleans 104.7 WKPE-FM (WKPE-FM; AM gets new calls) (mr, Transter 41
MN Glenwood 107.1 KMKG (KZZA), r/ MN Thief River Falls 102.7 KVLV (KMKG)
MN Worthington 93.5 KLES (KNRJ)
MO Canton 102.3 KBXB (KQCA), "B-102" (not strict), ID with Quincy IL, strong signal over the area for a Class A, now r (oldies), 24 hours, seven days a week ("yechh") (CHR)
MO Knob Noser 105.5 KKKX (KSAF), still r/ MO Poplar Bluff 94.5 KKLK (KWOC-FM)
NV Wendover 102.3 KYODU
NM Albuquerque 106.3 K292EN
NM Las Vegas 98.1 KBAC (KLNM)
NY Dansville 93.9 WACZ
NY Oswego 96.7 WZDS (WP2X), not yet on air
NY Spencer *88.5 WCII
OK Heavener 92.5 KPRV-FM
OK Poteau 107.3 KLKK (KINB)
OR Medford 95.7 KBOY-FM ("KBOY-FM; AM gets new calls) ("Hot 99.9")
PA Easton 99.9 WHXT (WQOQ), sr/ (IAC)
PA Reynoldsville 99.5 WDSN (WDDH), to be r/ PA Washington *92.1 WXJM-FM (WJCR)
TN Centerville 96.7 WHLP-FM (WYXZ-FM)
TN Etowah 103.1 WDRZ (WZMT), "Z-103"
TN Grayville 95.7 WABY (gy 96.5)
TX Houston 96.5 KNRJ (KNGY), still "Ener- TX Madisonville 96.1 KXIF, to 33000 h.v.; 183 m
TX San Angelo 93.9 KTEO-FM (KTEO-FM; AM gets new calls) (yet, KESO to be on 92.7)
TX South Padre Island 95.3 no calls/ VA Chesapeake *90.3 WHRV (WFOS), j
VA Exmore 107.5 WKRE-FM (WKRE-FM; AM in Jamestown VA deletes) ("B-101.5")
VA Fredericksburg 101.5 WBOB (WVFA-FM), r/ VA Portsmouth *88.7 WFOS (WNHS)
WY Casper 106.9 KCSP (KTKL)

Facilities Changes Granted

AL Selma WVCA 105.3 148 m (50000 h.v.)
AZ Flagstaff (new) 100.1 (from 101.1)
AR Fort Smith KMA9 99.1 600 m (100000 h.v.)
AR North Little Rock K228DC 93.5 has KSNB 104.3 Marshall on it, not KISR 93.7 Fort

Smith [KDDA-FM 107.1 Dumas
AR Pine Bluff K265CD 100.9 has KSNB, not/ CA Guadalupe (new) 105.5 3000 h.v.; 24 m, Amado Garcia
CA Inyokem K221AS 92.1 has KQLH 95.1 San Bernardino, not KTDT 101.7 Big Bear Lake. This translator replaces K276AO 103.1 China Lake, which deletes.
CA Yreka KYRE 97.7 1400 h.v.; 721 m
CO Estes Park K215BE *90.9 (from K205BE 88.9) [100.3 Denver
K237AF 95.3 has KOSI 101.1, not KMJI/ CO Vail K296CM 107.1 has KZYR 103.1 Avon, not KRMH-FM 93.5 Leadville (3000 h.v.)
FL Quincy WQII 101.5 (from 101.7) 100 m/ HI Honolulu KHFX 105.1 100000 h, 81000 v; 589 m (h.v.; 22 m
IL Chicago WCYC *90.5 (from 88.7) 8 watts/ WBHI *90.7 7 watts h.v.; 17 m. Off air: "Have been in the area several times this past school year, even during school hours."
IL Ramsey WJLY 93.3 (not 95.3 or 105.3)
IN Connersville WCNB 100.3 50000 h.v.; 150 m
IN Elkhart WUPE *88.1 11000 h.v.; 152 m
KS Topeka KJTY *88.1 (from 88.3) 50000 h.v.; 130 m
LA Monroe KNLU *88.7 1350 h.v.; 210 m
ME Rockland WMCN 103.3 187 m (7000 h.v.)
MI Kington WEUL 98.1 (from 88.9) 240 h.v.; 147 m
MI Roscombe WGRY 101.1 1510 h.v.; 135 m
MN St. Cloud KVSC *88.1 6500 h.v.; 78 m
MS Greenwood WGRM-FM 93.9 (from 101.9) on air in Stereo, r/ock format. Rulemaking to 104.5 with reply comments to the FCC by Nov. 7.
MS Vicksburg WJIN 98.7 298 m (100000 h.v.)
MI Red Lodge KAFM 99.5 (from 99.3—not "98.3," as on p. 84, FM Atlas-12) 3000 h.v.; 745 m, C1
NE Lincoln KUCV *90.9 219 m (16000 h.v.)
NH Dover WDKQ 97.5 150 m (50000 h.v.)
NM Santa Fe KSFR *90.7 35 m (3000 h.v.), not yet on air
NY Briarcliff Manor WZFM 107.1 1950 h.v./ NY Loudonville WVCN *88.3 1360 h.v.; adds vertical (292 m) [393 meters
NY New Paltz (new) *88.7 230 vertical only; NY Poughkeepsie (new) *88.7 230 vertical only; 393 m [1600 h.v.; 135 m
OH Johnstown WXLX 103.1/ (h.v.; 785 m, C2
OH La Grande KUCB 98.7 (from 98.3) 1150/ PA Philadelphia WPEB 2 watts h.v.; 16 m, to "remain at 88.1 as Class D. They will receive and cause interference to the new WXPX, but their coverage area is so small that WXPX doesn't care. I think the FCC is trying to move WPEB to the commercial band, as they have done with many other Class D's."
WXPX *88.5 (from 88.9) 3100 h, 332 m, U of Pennsylvania. "WXPX was qualified for CPB funding in 1986. As you are probably aware, CPB has a number of criteria regarding budgets, staffing, facilities, and programming, which non-commercial stations must satisfy before they are 'CPB qualified'. One requirement is that FM stations must provide at least 60 dBu coverage over their entire community of license. WXPX's present facilities at 88.9 m do not quite provide this coverage over the extreme northeast area of Philadelphia. CPB was willing to waive the coverage requirement; however, WXPX was asked to study the possibility of a power increase, so that this problem could be corrected. "Two major obstacles prevented a power increase for WXPX on 88.9 at their present location. Any increase in coverage toward the northeast would have overlapped the protected contours of WWFM in Trenton NJ on 89.1. Also, WXPX would have increased interference to WPVI-TV, channel 6, in Philadelphia in the densely-populated neighborhoods near the Uni-

versity of Pennsylvania campus where their transmitter is now located. WXPX looked at other frequencies in the noncommercial portion of the band, and found that it would be impossible to move to a higher channel. However, they could obtain a significant increase in coverage if they moved down to 88.5 m. The relationship to WWFM would change from first adjacent to third adjacent, permitting much greater power to the northeast. The obvious problem with a move to a lower frequency would be increased interference to Channel 6. "FCC rules indicated that this change could be made if WXPX were to 'co-locate' its transmitter with WPVI-TV's transmitter. In fact, WXPX would be allowed up to 3.1 kw without causing objectionable interference to channel 6 reception. By co-locating, the ratio of WXPX's signal to WPVI-TV's signal would be constant regardless of the distance from WPVI-TV's transmitter. It was apparent that interference would be minimized if WXPX were to duplex into WPVI's existing antenna. Then, both stations would have identical radiation patterns, etc., in the vertical plane. This is an important consideration because the WPVI-TV transmitter in the Roxborough antenna farm is surrounded by residential neighborhoods. A significant number of households are located in the first null of WPVI-TV's elevation pattern. (These people could receive excessive signal from WXPX unless the antenna patterns were closely matched.) Therefore, WXPX plans to install a diplexer at the WPVI-TV tower site which will provide an input to WPVI's existing six-bay superturnstile TV antenna, which transmits horizontal polarization only. At 332 meters above average terrain, this antenna will give WXPX much better 'penetration' and less multipath than their present facility. Plus, they will be able to increase power to the maximum of 3.1 kw, which will increase their 60 dBu contour to a 442 km radius, more than double the 20 km radius which you list in the 'FM Atlas' for their existing facility. The only tradeoff WXPX is making will be to give up circular polarization. However, there is a chance that someday WPVI-TV will replace their old superturnstile antenna with a new circularly polarized model. I frequently listen to WPVI's audio in the car, and mobile reception is quite good despite the lack of vertical polarization. "WXPX filed for their frequency change on top of Cabrini and Villanova's applications for new stations on 88.5. They worked out a settlement agreement which will permit Cabrini and Villanova to build their new stations on 88.1, after WXPX vacates 88.9. They just received approval of an NTIA grant application, which will provide major funding for the diplexer, new transmitter and other necessary equipment, and they hope to have the changes completed within a year." SC Cheraw WJMX-FM 103.3 100000 h.v.; 222 m
SD Sioux Falls KKRC 103.7 (from 93.5) 50000 h.v.; 57 m, C2 [395 m (100000 h.v.)
TN Knoxville WEZK 97.5/ (h.v.), less height
TX Amarillo KDJV-FM 94.1 335 m (100000/ TX Crockett KIVY-FM 92.7 50000 h.v.; 93 m, C2
TX Temple K232BL 94.3 has KRXX 92.9 Martin-Waco, not KTKS 99.9 Waco
VA Colonial Beach WGRD 95.9 100 m (3000 h.v.) (h), 20000 v, 101 m (v)
VA Yorktown WYCS *91.5 1300 h, 113 m/ WY Buffalo KJGT 92.9 (from 92.7) 94100 h.v.; 334 m
PR San Juan WIPR-FM *91.3 825 m, multiplexed with WIPR-TV, channel 6, probably giving up vertical polarization
NS Halifax CHFX 101.9 100000 h.v. (166 m, d-a)
ON Peterborough CFFP 96.3 30 watts h.v.; 80 meters above average terrain
ON Sudbury CBBS *90.1 49000 h.v.; 153 m
ON CBOS *90.9 49000 h.v.; 153 m
PE Charlottetown CHLQ 93.1 75000 h.v.; r; a

new, unannounced site and height
SO Guadalupe XHOY 90.7 50000 h.v.
XHSC 93.9 90000 h.v. [period, "
FMedial is "the best publication of its kind/
"Stick with the SI system of measurement
("metric") only—the only way to get used to it
is to use it. If you print a conversion table
showing meters and feet, you ought to
include cubits for those people who are so far
behind the times that they haven't accepted
inches and feet. (I wonder if the new modern
translations of the Bible use meters, too?)"]

Stereo, or to be Stereo

AL Birmingham WVSU "91.1, [jazz]
AK Adak N.B.S. (Navy Broadcasting Service), no
longer using "AFR-FM," "103.1, now k, with
photo of site clearly showing their antenna
has vertical (circular) polarization
CO Snowmass Village KSNQ 103.9 m, The
Breeze
GA Louisville WPEC-FM 92.1
IL Mattson WCHI 101.3, ID with Charleston, k
IL Park Ridge WJTH "90.5, now playing
hits/AOR mix in stereo (new for the '89-90
school year). Also a better signal, "now 8
watts, 31 m.
IN North Manchester WBKE "89.5 still r
IN Van Buren WCJC 99.3, k, had been testing
with no ID given, but now "CO-99.3" (not
strict), 24 hours. "Gets out too well!"
KS Girard WYGP 101.1, r, "V-101"
ME Gorham WPMG "90.9, moving its studio
from Gorham to the Portland campus of the
U. of Southern Maine.
MO Hurlock WAAI 100.9, k, "A-One Country"
MA Harwich Port WFXR 93.5, r, "Fox 93.5"
MO Webb City KKL-FM 95.1, g
NE Chadron KQSK 97.5 back in k, "both times
when I heard them... Maybe they turn it on
or off at times"
NY Saratoga Lake WSLI "90.5, cm, simulcast
with WSLU "89.5 Canton, displacing trans-
lator on 91.7
[12-108, (not strict)
OH Defiance WZOM 105.9, r (oldies), 24 hours/
OH Paulding Van Wert WKSD 99.7, r (oldies), on
air, "Kiss 99.7" (strict). They are trying to
sound like the old WKSD 98.9 Van Wert OH
by saying, "Kiss is back and we've moved up
the dial to 99.7. Sign off was 0100 (EDT)...
It gets out quite well."
OR Cave Junction KCHA 102.7
PA Salisbury WKHL 95.5, ID with Lock
Haven-Williamsport
TN Alamo 93.1 WBNE, [beautiful music]
TN Signal Mountain WAWL "91.5, back to
TX Rockdale KRXT 98.5
TX Tarkenton KTAL-FM 98.1—finally!
TX Victoria KERG 100.9
WV Fairmont WRLF 94.3, simulcast with its AM
WI Milwaukee WVCY 107.7, but properly
dropping stereo signal when carrying mono-
phonic programs. "Your chat with Vic
Ellison did some good. WVCY noted here
this evening running programs like "Back to
the Bible" in mono—no stereo subcarrier! So
apparently they drop the stereo subcarrier
during talk programming now!"
JA Guadalupe XHPI 93.1, 29000 h.v., but
claiming "60000" [by combining vertical and
horizontal radiated powers—a no-no in the
U.S.A.]

Monophonic, Discontinuing Stereo
TX McKinney KSSA-FM 95.3, "The only station
I know that doesn't broadcast in stereo"

Format Changes

Formats are the same as in the "FM Atlas"
AK Adak N.B.S. ("Navy Broadcasting Service")
no longer using "AFR-FM," still k, but, with
vertical polarization (plus horizontal)
AK Anchorage KENI-FM 100.5, r, classic rock,

"The Fox" (rubbing out "Magic 100 FM");
new calls to be announced next month
AZ Page KXAZ 93.5 m, \$ (Transar AC)
AZ Phoenix KPHE "89.3, to be g, \$
AR Little Rock KHLT-FM 94.1 m, ("not just
m"), no noid, always saying calls
CA Coalinga KNGS 100.1 (country)
CA Greenfield KSUR 99.5, r, "supposedly
parallel to KKGQ in Los Angeles. Is the
second classical station in the market (after
KBOQ), which doesn't make sense." KSUR
in stereo?
CA San Fernando KMGX 94.3 m, "Majic"
CO Crested Butte KBTU "90.3 fj, \$, "gospel
tainted"
CO Security KRZE 105.5 m, The Breeze, ID
with Colorado Springs
CT Danbury WDAO 98.3 m, "lame like
format," and "98-01" (fairly strict), darkening
"Lite 98 FM." WMJV Patterson-Pawling NY
is lame... Heh, I'm glad to see the new
buzzword is "lame radio." I noticed it in
FMedial I guess it really caught on!
FL Belle Glade WBGF 93.5, r, \$
FL Jupiter WTRU-FM 99.5, ID with West Palm
Beach-Stuart (but not with Tequesta)
FL Sebring KCAZ 105.5 m, "Class 105.5"
FL Titusville WGNF-FM 98.1 k, ID with
Daytona Beach, still "The Great 98"
GA Athens WALR 104.7 m
GA Brunswick WIOI-FM 100.7 r
WAJX 101.5, ID with Jacksonville FL
GA Hinesville WXLQ 92.1, "Hot 92-01" from
"Q-92" [try 102.5]
GA Waycross WBGA 102.5 k, "Coun-
ID Idaho Falls KSIF 96.1 m, "AC"
ID Pocatello KSEI-FM 102.5 r, live CHR
ID Sun Valley KECH "95.3, r, "oldies and 'Ketch
95"
[jazz, unless on weekends]
IL Alton KATZ-FM 100.3 only, "no/
IL Aurora WKKD-FM 95.9 m, "lite rock"
WYSS 107.9 r, "more like just r now"
IL Casey WCBH 104.3, r, classic hits, \$
IL East St. Louis WSNL 101.1 m
IL Godfrey WLCA "89.9 pr
IL Litchfield WSMI-FM 106.1 r
IL Pittsford WBBM-FM 97.5 k
IL Princeton WZOE-FM 98.3 m, "your station
for oldies and more"
IL Vandalia WKRV 107.1 m
LA Burlington KGRS 107.3 m
KS Wichita KEYN 103.7 still r, but d, ending
"21 years as a top 40 station"
KY Hazard WJMD 104.7 [gospel]
KY Lancaster WRNZ 105.1 m
LA Alexandria KRRV-FM 100.3 k, still "K
Double RV" [The Breeze
LA Belle Chasse (new) 102.9 to be m,/
LA Thibodaux KXOR 106.3 m, "Transar AC"
ME Bath WIGY 105.9 r, "contemporary hits"
ME Brunswick WCLZ-FM 98.9 m, The Breeze
ME Calais WODY-FM 92.7 m
ME Houlton WHOU-FM 100.1 m
ME Lewiston WBLM 107.5 r, "album oriented
rock"
ME Machias WALZ 95.3 m, "country"
ME Medway WCCX 102.3 m, "adult-contem-
porary." "I worked with Phil Ward of the
Bangor Daily News to put together this
radio-TV listing. Every station (in Maine) was
called to verify call letters, frequency and
formats." [90.3 Grantville,]
MO Forestburg WLIC "97.1 g, "parallel to WALJ/
WLIC, like WALJ, stereo?
MI Ann Arbor WAMX 107.1 m, The Breeze
MI Houghton WAAH 102.3 to be m
MI Ishpeming WMQT 107.5 r, "hottest hits,"
with ID containing Iron Mountain-Houghton-
Escanaba-Marquette
MN Hibbing WTBX 93.9 m, "Dance CHR"
MS New Albany WWZD 106.7 k, still \$
MO Crestwood KSHE 94.7 p, "only, no r unless

it's a crossover hit"
MO Eldon KLOZ 92.7 r (oldies)
KBMX 101.9 b, \$
MO Florissant KHTK 97.1 gives calls "very
rapidly" at :50-52 after a song, with the
weather
MO Harrisonville KCFX 100.7 m, still/
MO Lebanon KIRK 103.7 m
MO St. Charles KCCL "89.1 m
MO Ste. Genevieve KSZT 105.7 m, "The new
Kiss FM" [talk/MOR, "still mono
MO St. Louis KSLH "81.5 m,/
KSD 93.7 m,
KMJM 107.7 m, "The Quiet Storm," not a
nonID (still "Magic 108")
MT Anaconda KGLM 97.7 k, \$
NJ Atlantic City WFPG-FM 96.9 m, "Lite
96.9," "a 'lame format"
NY Saratoga Lake WDGE 101.7 m, "standards"
NC Banner Elk WJZK 100.7 k—is it stereo?
NC Gaston WLGO 97.9 r, "97-Q"
NC Hickory WEZC 102.9 m, "vocal easy
listening"
NC Murfreesboro WBCG 98.3 s, "R&B oldies"
OH Gibsonburg WREO 95.7 r (oldies via
satellite), ID with Toledo, "Red Hot"
OR Ketchum KGNQ 105.7 s, ID with Tulsa
OR Bend KWBX "100.7 being sold to an
undisclosed commercial operator. Will be
replaced by translators in Black Butte and
Sunriver, "so that we can maintain as much
service to central Oregon as possible." Trans-
lator services are more cost-effective than running
a full-power station in Bend.
OR Pendleton KSXM 107.7 r (oldies), "X-107"
PA Ridgeport WMBK 96.9 r, simulcast with
WEHR AM
SC Lake City WOTR 100.1 k, Drake country
TN Clinton-Knoxville WTNZ 95.3 g, apparently
still "Power 95"
TX Houston KLDL 94.5 r (oldies)
KQUE 102.9 m [Jary Christian"
TX Humble KSBJ "89.3 g, "contempor-
TX Midland KCHX 106.7 r, CHR, \$
TX Monahans KWES 102.1 m, AC oldies
TX Wichita Falls KQOV 103.3 r (CHR), still
"QV-103"
VT Middlebury WCVI 100.9 k
VT Warren WSBH 96.1, on air, SMN Pure oldies
VA South River WQOK 97.5 m, "K-Power"
VA Cheney KEYF-FM 101.1 m, The Breeze
WA Grandview KARY-FM 100.9 k
WA Seattle KEZZ-FM 98.9 p, "as well as liberal
amounts of... obscure pop, reggae, blues,
folk and country. Sell one of the truly rare
(and appreciated) gourmet music stations in
North America. This format should be in
every major U. S. and Canadian city! NonID:
"98.9 Northwest Progressive" (not strict).
WA Tacoma KBSG-FM 97.3 r, oldies. "Now that
they have their AM in Auburn they seem
ashamed of it and now at :52 whisper very
quickly "KBSG Auburn" and they don't
bother to ID the AM or even acknowledge it
at the top of the hour."
WA Walla Walla KNSN 97.1 all news (n), CNN,
"News 97." Remove stereo listing, as ap-
parently carries no music or talk programming
with audio separation
WV Bridgeport WDCI 104.1 m, "Drake Prime,
soft a-c"
WV Princeton WKMY 100.9 m, Transar 41
WI Tomah WZFR 94.5 to be m, The Breeze
WI Watertown WTEF 94.1 r (CHR), back on the
air, "94-1 The Fox" (not strict). "IDs
Watertown only, but in front of a jingle that
says "WTEF Wisconsin." Station's new tower
only 23 km east of Madison. "With two new
commercial FMs in the application process at
this time, as well as one religious station and
one Family Radio translator, we're going
from 11 to 16 FMs in just two years or so!"

NB Moncton CJMO 103.1 denied increase in hit
factor from 35 to 49%
NS Halifax Dartmouth CFRQ 104.3 still r, but
CRTC "denied increase use of hits [and
noticed] an erosion of the programming
commitments" given in 1987 when present
owners took over. [English announcers]
PO Montreal CFRQ 92.5 m, "very AC to me,"/
CKMF 94.3 r, "Say Kah M-F," mix of about 2/3
French and 1/3 English hits, all French
announcers
CJFM 95.9 m, "has really lightened up—more
an uptempo AC now. Still "FM 96", but uses
calls often. All English announcers, but some
brief promos in French."

On Air (Selected)

AK Unalakleet-Dutch Harbor K216BG "91.1
AZ Williams KDAN-FM 96.7, Stereo?
CO Pagosa Springs KRGS 106.3, back on
GA Rockmart WFSH-FM 107.1 now with 50000
h.v.; 150 m. "South 107" nonID, "very strict
and no call heard anywhere before or after
the hour." DXer, check this out!
ID Mountain Home KLVJ-FM 91.1, having
moved from 99.3, but running only 3-6 kw
and not their authorized power of 100 kw
IN Valparaiso WZ16AC "91.1, back on
MA Newton WZBC "90.3 with a new 1 kw
transmitter, replacing one 20 years old. "Now
our signal is clear and goes all farther; we get
calls from Milton, up into New Hampshire
and a lot of the South Shore."
MN Hermantown-Adolph W280CT 103.9, IDed
thrice daily by primary as FCC rules prescribe:
once between 7 and 9 a.m., once between
12:55 and 1:05 p.m., and once between 4 and
6 p.m. local time. "Why do you want to
create this translator, which only clutters the
dial, when the primary is perfectly receivable
in the area?"
NY Elmira WC1H "90.3, simulcasting with
WC1K "103.1 Bath. "They were amazed that
they were getting out so far" [with WBAU-
WHPC Garden City NY off the air Monday
through Thursday mornings].
NY Valhalla WARY "88.1, moving from 88.5.
But just testing on 88.1 for now, with a new
Broadcast Electronics exciter, running at 47
watts, new antenna and tower. "The WARY
CP was running out, for the third time, and
Bob was anxious to test it. WEDW, Connecti-
cut Public Radio in Stamford, will be
occupying WARY's current frequency of
88.5, so they must vacate quickly." Mildly
concerned about all this is WCWP "88.1
Brookville NY, which has noticed interference
to its signal from the new WARY.
OH Toledo WOTL "90.3 g, Family Radio, on
24 hours. "I may be in their null. They are
protecting Fort Wayne with a d-a."
WV Parkersburg WVPK "90.3, \$, WV Public
Radio Network
WI Evansville-Janesville-Beloit WMJB 105.9 had
"hoped to serve Madison as well, but their
signal is spotty and covered with intermod in
most of this city."

Off Air or Not Yet On

CA Cartago KWTY 102.9
CA Chicago KZFR "90.1
CA Colusa KKL 96.5, "or inaudible from
Chico, next city"
CA Lone Pine KZMBR 106.3
CA Nevada City WYMR "89.5
CA Fendale KWHZ 99.3
CA South Lake Tahoe K212A1 "90.3
CA Temecula KRRR "88.9
CO Granby K28DU 105.5
CO Gunnison K24AAB 96.7
CO Montrose K261AA 100.1, K296AK 107.1
CO Nudora K269AB 101.7
CO Steamboat Springs K257BM 99.3
CT Stamford WEDW "88.5, "although they were

originally supposed to come on about three
years ago... You comment that they will be
directional away from New York City, which
may be true, but the main feature of their
pattern is a deep null to the ENE to protect
co-channel WVOF in Fairfield, only about 23
km away. I for one would be interested if you
could include more info on directional FM
stations in future editions."

IL Marshall WMMC 105.9
IL Randall WLTN 96.1
IN Attica WBQR 95.7
IN Bloomfield WBHQ 101.1
IN Clinton WPNL "93.9
IN Kentland WPNI 101.7
IN Mitchell WOTS 102.5
KS Dodge City KLLS 93.9
KS Oakley K208AE "89.7
MO Salisbury WDIH "90.3
NE Blair KBWH 106.3 and 105.5 Omaha
translator rumored to be off the air. No answer at
their Omaha telephone; studios had moved to
Omaha, and owner who lives in Columbus OH
was overheard saying he wanted out of the
market. Station has been plagued with signal
problems and was seeking an Iowa transmitter
site. DXing KHAT-FM 106.3 Lincoln facilitated.

NY Carson City KNIB "91.3 or its translators.
KNIS 94.7 in Carson City is being sold and
will operate commercially, with the KNIS
programming to go to 91.3.
NM Espanola K212AN "90.3—still operating as
K214AO 90.7 [silenced by the FCC
NY Brooklyn "WHQT" (pirate) 91.5, said to/
OH Cadiz WEIR-FM 106.3
OH Fort Shawnee WFSO 107.5, plus "all of the
10-watts around Logan County—105.7,
106.9, 103.3, 98.7, 91.7, 97.3, etc." but
might have been off for the summer.
OH Greenville WDRK 106.5 "still off air"
OH Loudonville WBMA 107.7
OK Lahoda KGPD 95.7, "no doubt another
enid rimshotter like KXLS... A spare car
radio memory is on 95.7 just in case."
UT Blanding KSMH 92.1
WV Parkersburg WMPG 99.1, still on 99.3

Deletions

CA Eureka K215AP "90.9
CA June Lake K272BE-102.3
CA Mammoth Lakes K218AK "91.5
CA Red Bluff K257B 99.3
CO Steamboat Springs K249AW 97.7, had been
listed as licensed in 1987.
CT Fairfield W220AB "91.9, was on a year ago
"reportedly coming from a location in Wilton
CT. That signal is not present now, "and most
likely deleted because of protests from
10-watt WLSX "91.9 New Canaan CT, as well
as the fact that Family Stations, Inc. is
running WFRS "88.9 Smithtown NY, which
serves the area well!
IN Terre Haute WFEF "91.3, never operated
MI Rockford WGRF "91.9, Family Stations, Inc.
MN Crookston K244AI "90.7
NM Counselor K214AI "90.7
NM Las Vegas K249BR 97.7
NM Nageezi K208AL "89.5
NM Star Lake Trading Post K219AI "91.7
OK Enid K237BW 95.3 has "never existed," with
KQMJ 99.5 Henryetta reception impaired in
the area by KXLS 99.7 Alva-Enid
K272CF "102.3 has "never operated," despite
the FCC's saying it was licensed in 1986.
KY FMedial, col. 1, p. 4, pertaining to the
NPD call is for this translator gave the wrong
frequency—103.1, which is for Enid KDFM.
PA Sellersville W204AD "88.7 [see "New,"
above]
TX Bryan K257CR, a c-p never activated
TX College Station K272BS, a c-p. "I've tried in
College Station for the last two years, and

neither of them has come on the air."
WV Institute WEYS "90.9, FCC dismissed its
"license to cover" application. Station never
operated.
WY Lyman K296AG 107.1

Be like Glenn Hauser, supplier of much of the
data in this part of FCC-FM news. As you
travel, listen for translators shown in the FM
Atlas, and note which ones are on and which
aren't. The ones not on I can check the FCC
microfiche to see if they are still listed or not.

FM mistakes, FM Atlas-12

CO Loveland KTRR 102.5 listed as 102.3, p. 113
(coverage is 49 km) [113]
MS Ellisville WBSJ 102.5 listed as 102.3, p./
NC Albemarle WABZ-FM 100.9 not "WQBZ-
FM," p. 117
OH New Philadelphia W218AF "91.5 (WCRF
103.3) translator missing from p. 139. A DXer
claims Bainbridge OH, WKHR "88.3, missing
from p. 40 map. It is on p. 41 map. There are two
Bainbridges in Ohio, and this is the one north of
Streetsboro.
PO Quebec CHOI 96.9 missing from p. 164 FM
Atlas-12. Is \$, 361 m, 81000 h.v. For some
reason, this station has never appeared in the
by-frequency directory of any FM Atlas.
"All those Texas insets make it a nightmare to
deal with. Please spread it out to more pages or
whatever is necessary to bring the state back
together."
"Most California coastal translators correct as
shown in Atlas, but many in the eastern part of
the state were very different from the Atlas. Less
FCC scrutiny out that way? Scrutiny anywhere?
FCC? ... I made continual use of the Atlas on the
way, with pages beginning to fall out. Perhaps I'll
need a second copy before the next edition
comes out! The small size of the book is easy for
auto use, but I still would prefer larger maps in a
larger book."

SC Services, 57, 67, and 92 kHz

Abbreviations are as in the "FM Atlas"
GA Griffin WKEU-FM 97.7 [Paging], 92 kHz
IA Des Moines KRNO 102.5 12, 67
ME Bangor WPBC 92.9 FMusic, 67
MI Dearborn WHFR "89.3 experimental t(H),
"57 kHz RDS for Motor Co. testing."
WNIC-FM 100.3 t(X), 57 kHz Cue Paging, not
67 kHz [Cue Paging, has music, 67
MI Lansing WITL-FM 100.7 t(X), 57 kHz/
MN Duluth KQDS-FM 94.9 no SCS (had p. 67)
MO Marshfield KTOZ 104.9 no SCS, "discarded
their SCA" about the time they changed to
country music on the main channel
PA Philadelphia WRTI 90.1 FM, 92 kHz AEI, in
addition to Greek, 67. The music is all
instrumental, "delivered to our transmitter
site by Ku-band satellite. The local AEI
franchise is using our SCA to provide service
to businesses in high-rise buildings, such as
those in central Philadelphia, where satellite
dishes cannot be installed on rooftops, or
they would not have the proper 'view' of
satellites. You discussed direct satellite trans-
mission replacing SCA in the last FMedial!
This may happen in rural areas, but there are
many complications involved with installing
satellite receivers in congested urban areas.
FM-SCA receivers can frequently operate
well with indoor antennas, or can be fed by
MATV or CATV systems if necessary, and
therefore are well-suited for use in urban
business districts."
PA Philadelphia WYEP "91.3 has t(D), Cue Paging
57 kHz; TE, Greek, 92, the Greek Network of
America, said to be "altruistic SCA contract."
But, "as to prices, I'd prefer to make your
acquaintance over the telephone before
discussing that information."

WI Superior KZIO 102.5 FM (agnd) 67. "We took the paging subcarrier from KDOJ-FM (94.9 Duquih MN). It drops its carrier between pages, as all modern paging SCAs are doing."

WI Wisconsin Public Radio (statewide): "WR RS," the Wisconsin Radio Reading Service is "broken." Looking for donations to restart it as the "New Wisconsin Radio Reading Service," and needing \$64,000 to get out of the ashes. Seeking corporations that would be willing to donate \$1,000 or more, or buy radios. Contact them at PO Box 5541, Madison WI 53705; they're applying to the IRS for nonprofit status, so donations to them can be tax-deductible. Is carrying MN Talking Book for the Blind now.

ON Windsor CJOM 88.7 FM, 92 (foreground music, not 67 kHz). "All other listed information you have is correct with regard to SCAs, per our observation."

NonIDs, Not Just Slogans

AL Arab WCRQ 92.7 nonID (from "93-CRO"), "Lies Hits 92.7" with calls
AL Montgomery WBAM-FM 98.9 OI dies-99
CA Headburg KHTT 92.9 Heat
CO Avon KZYR 103.1 no nonID (was "2-103"); uses "The Zephyr," but always with calls
CO Steamboat Springs KSBT 96.7 K-Steambot
FL Dunelton WTRS-FM 102.3 102.3 Proud Country, ID with Ode
FL Fort Pierce WKGR 98.7 98.7-KGR (back to)
FL Gainesville WYKS 105.5 Kiss-105 (from "105 Kiss FM")
FL Jacksonville WAPE 95.1 Oldies-95. "That leaves Jacksonville without a rock formatted FM station."

GA Canton WCHK-FM 105.7 K-Country (re-sumed) "91.3 Joy-91"
GA Fort Valley WJTG/ [Stereo 96]
ID Lewiston KOZE-FM 96.5 The Z, shedding/
IN Fort Wayne WBCL "90.3 FM-90"
IN Indianapolis WXTZ 103.3 Magic 103.3
MO Carthage KRKG 104.9 K-105.5
NM Bloomfield KMYO 104.5 Cameo
NM Los Alamos KBOM 106.7 no "K-Boom"
NM White Rock KKBZ 101.1 The Breeze
OH Cincinnati WAKW "93.3 Magic 93"
WWEZ 92.5 no nonID (has been "EZ FM-92")
OH Hamilton WBLZ 103.5 2-103 (from FM-103%)

OH Middletown Kettering WPF 105.9 The Rebel, adds Dayton to ID list
OH Mount Vernon WQIO 83.7 Super Q
OH Urbana WKSW 101.7 Kiss Country
OH Zanesville WCVZ "92.7 FM-93"
OK Cordell KRMK 98.3 Oklahoma-99
TX Canadian KEZP 103.1 Zip-103
TX Longview KYKX 105.7 Kiss 105 (not "Kiss 105")
TX Perryton KEYF-FM 95.9 FM-96
TX Tarkenton KOSY-FM 102.5 drops "Y-102," "Just uses KOSY calls," then "FM-99"

TN Victoria KTXN 98.789-FM used more often/
VA Yorktown WKEZ 94.1 Keys Country (from "EZ-94")
VA Seattle KMG1 107.7 1-107.7 (ruba)
ON Windsor CJOM 88.7 88.7 The Mix, "very strict—no longer uses calls at all," as is legal for Canadian FMs, format unchanged, with reporter claiming the signal seems stronger than it did a year ago

Multi-City IDs in Use

AR Jacksonville KEZQ-FM 100.3 with Little Rock (not North Little Rock), still b, \$
IL Chillicothe WBZM 94.3 with Peoria, not Peoria Heights, still r, \$
IN Delphi WJNY 102.9 with Monticello
KY Bowling Green WCVK "90.7 with Glasgow-Franklin

FM Translator Abuse?

"Interesting on your translator. I've sometimes wished I had one, but only if completely free to choose what to relay at any given time. I believe you said primary is a country and western station. I should think there would be more valuable sources, but maybe your market is hurting for that?"

Advertising in "Religious Broadcasting" magazine: Engineer, satellite project—Moody Broadcasting Network is seeking applicants with translator expertise to play key role in network development. Requires knowledge of translator installations, including preparation of FCC application, equipment selection, and managing on-site project. Contact Moody Bible Institute, Personnel Department, 820 N. LaSalle Drive, Chicago IL 60610; (312) 329-4231.

AM Happenings Most Likely Caused by FM (selected—more are in FMedia)

CA Pismo Beach KRDE 1200 deleted
FL "The oldest radio station in" Fort Walton Beach WNUF 1400 off the air, succumbing "to the changing tastes of radio listeners and the hard reality of the bottom line."

IL Vernon Hills WNVH 1030 ends its carrying of Six Flags Great American Amusement Park promotion (see July FMedia, p. 5, col. 1). "It was a great 90 days; now we are back to carrying the Business Radio Network fulltime. I am interested in an SCA project, and need to know how the Chicago Class Bs get out with their 67 kHz signals."

IA Des Moines KSO AM 1460 quit its separate country programming "because of low ratings."

NV North Las Vegas KRSR 1140 drops its "Krusher" heavy metal format, for a simulcast with KLUC 98.5 FM. "KRSR was famous for its 'FM is dead!' proclamations when the all-metal format was instituted a couple of years ago. But they couldn't get teens to listen to AM, no matter how hard they tried. With a simulcast, the AM simply becomes an appendage to the FM, so slightly higher ad rates can be charged."

NM Santa Fe "Venerable KVSF 1260 now demoted to a simulcast with KNYN 95.5, 'Canyon Country,' without even mentioning an AM ID."

OR Klamath Falls KJLU 1340 deleted
PA Chambersburg WCBG 1590 had gone off, but back on the air with oldies, simulcast with WGLL 92.1 Mercersburg-Upton PA.

SC Hanahan WKAO 1040 deleted
VA Hanover WKRE 1520 deleted; WKRE-FM 107.5 Exmore continues
VA Tuckahoe WGNZ 720 deleted

FM Rulemakings Proposed

Selected—more are in FMedia First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AK Bethel 98.3C3 from 107.9A, KBTB, counterproposal [counterproposal]
AR Men 102.1C2 from 101.7A, KENA-FM/
AR Murfreesboro 102.1C3 from 95.3A, KMTB, counterproposal [counterproposal]
ID Sandpoint 95.3C1 for A, KPND/
IA Atlantic 98.5C1, Oct. 23, Nov. 7
UT St. George 95.9C, Nov. 6, 21
WA Davenport 97.3A from 102.5A, with Sandpoint [KAAR, with above]
WA Medical Lake 101.9C2 from 95.3A/
FM Rulemakings Finalized (selected)

Dates are when FCC filing windows are open
CO Idaho 94.1A, Oct. 23-Nov. 22 [30]
FL Ferdinand (Beach) 105.3A, Oct. 31-Nov. 4
GA Ringgold 93.7A, Oct. 11-Nov. 9
IN Ligonier 102.7A, Oct. 23-Nov. 22
LA Rayville 92.3A from 92.1A, KTJC
MD Bishopville dismissed bid to add 106.9A
MI Gladstone 105.5C1 from A, WCLS
SC Blackville 97.9A, Oct. 27-Nov. 16

SC Reversal 101.7C2 from A, WMGL

"Keep up the good work with the FCC column and FMedia! Even though I haven't yet subscribed, I will at a future time."

Non-Comm Translator Issue Settled?

Now the FCC has finalized action agreed to by various parties in the dispute involving noncommercial FM translators (88-92 mhz), picking up their signals off satellite. It's a compromise, which requires a translator to be within 80 km of the 1 mV/m contour of its primary station, or more than 160 km from any full-service noncommercial station. Previously, stations were allowed to line up translators wherever an open frequency was available, but except for Alaska and Schroon Lake NY, that option has not been exercised. Stations can still apply for translators if they can prove they will not be using the last available noncommercial channel in the market. This rule, however, is designed to be short-lived, as it is to expire in three years. The National Federation of Community Broadcasters, one of the parties filing comments opposing the Moody Bible Institute petition, says in its newsletter: "Our request for prior proof on non-interference by each applicant was not adopted as part of the final ruling. But we agree with Commissioner Quello, in his separate comments he states 'We must carefully balance the need to develop the noncommercial band against the fundamental objective of promoting local non-commercial service. The rule adopted by the Commission strikes a reasonable balance. . . I would have preferred that the Commission utilize the interference standards. . . a superior policy would insure that there is no interference before an application is granted.'"

National Association of Broadcasters Opposes NJ FM Translator Origination

Saying it's "ill-timed and unjustified," the NAB has asked the FCC to deny a request for Gerry Turro's W276AQ 103.1 Fort Lee NJ to originate programming. The NAB points out that the FCC had denied Turro a nearly identical request in 1986, which was upheld by an appellate court. [See FMedia, Sept., p. 7, col. 2.]

NAB "refuted Turro's claim that the area is devoid of radio service and said he has not presented any documentation that Bergen County is somehow underserved. NAB noted that Bergen is served by dozens of broadcast 'voices,' including several licensed to cities in the county. NAB charged Turro with attempting to avoid the FCC's IFM allotment procedures and use the 'back door' in order to put a new FM radio station on the air [and] said if the FCC does consider the request, it should be done only in the context of a future rulemaking proceeding which should address a wide range of FM translator issues."

Class A FM Upgrades Endangered?

In a filing to the FCC, the Federal Aviation Administration opposed the upgrading of 149 Class A FM stations to the new Class C3 (25 kw) at their present sites. Move may be the precursor to the FAA opposing all Class A upgrades, and "brings to light an on-going problem between the FCC and the FAA."

The NAB says in its publication, RadioWeek. The FCC fears FM station interference to aeronautical frequencies in the 108-118 MHz band. It wants stations not to be allowed to increase automatically, but

first notify the FAA of their intention to increase power. NAB claims the FAA is becoming somewhat of a "spectrum manager" by denying broadcasters access to the spectrum that is normally the FCC's domain. "While it may be that the FCC will dismiss this latest FAA filing on C3 upgrades (and take similar action were the FAA to challenge the more recent FCC Class A 6 kw upgrading decision), the conflict between the two agencies likely will continue for some time. Also, it is expected that the FAA will persist in its denial of new station applications and modification proposals by existing FM stations. NAB is working closely with the FCC (which generally shares the broadcaster position on this controversy) and hopes that it can be resolved."

Alaskans Give Cold Shoulder to Public Translator

Officials of the city of Chignik decided the small town doesn't need and cannot afford a translator of KMXT "100.1 Kodiak. Said relay would have been funded by Exxon through the Kodiak Emergency Services Council. "Grassroots" group in the community does think the town could support such a translator, and is seeking to have it located on private land. Some Chignik folks have wondered if city officials may have a conflict of interest, since one of them is involved with a group involved in bringing a Moody translator to town, K220CL "91.9. Retorted Ronald L. Bowers, fire chief, and chairman of the board of the Chignik Radio Association, group having a construction permit for the Moody translator, "It is totally nonprofit. Nobody makes any money on it. I'm not trying to shut down one station over the other." Another city official said, "We've got a lot more important things to do than haggle over a radio station. I see it as getting more into entertainment than the news."

Other Small-Print Happenings and FM Industry News

The 550 people living on St. Paul Island AK apparently appreciate KUHB "91.9—enough so that they donated \$14,481 in three days of fund-raising. Alaska Public Radio Network sent a staff member there to recruit volunteers interested in helping KUHB. Workshop participants dreamed up a catchword for their efforts, calling it a "funaiser." The Pribilof School District holds the KUHB license and the City of St. Paul furnishes the space and electricity.

WTLC 105.7 "stereo soul Indianapolis" is a winner of a 1989 NAB Crystal Radio Award: "This stand-out has the largest FM news staff in Indiana and in the past year alone has garnered more than 30 awards for public service and news."

The NAACP and the National Black Media Coalition have asked the FCC to investigate the lack of minority employment at Grand Rapids (MI) area radio stations. "I have never seen a market where more stations have failed to comply with minority hiring practices," David Honig, a Miami NAACP attorney active in filing petitions with the FCC, said. Stations facing challenges include: WCUIZ-FM, WFUR-FM, WGRD, WLAV-FM, WLHT, WOOD-FM, WKLO, WJOK, Jim White, vice president of WOOD radio, said he had "absolutely no inkling of this," claiming his stations conform to federal EEO guidelines.

WHRO-FM "89.5 Norfolk has received FCC approval for a "new radio station" for jazz and eclectic music programming, to replace that which was displaced when the station went classical in 1983—most likely, WHRV "90.3 Chesapeake."

Despite a severe budget cut, KSOZ "91.7 Point Lookout MO is remaining on the air, and with full NPR service. It has laid off four of its five full-time employees, and will take NPR programming off the air from KSMU Springfield MO. Local programming expected to be handled by volunteers.

One of the Louisville Public Library stations, WFPK "91.9, has increased its schedule to 24 hours, probably causing consternation to local DXers, and using the "positioning statement" of "where the hearts come alive."

NTIA survey shows new full-service radio (and TV) stations not needed, but concedes that "public radio broadcasters will eventually reach unserved areas using repeater stations and signal translators. But some remote areas will never be served." Wyoming is the state with the smallest percentage coverage in public radio with 47 percent, while Washington DC is the only area 100 percent covered. Approximately 3.3 million Texans and 2.8 million Pennsylvanians are without public radio. Thirteen states have coverage of over 90 percent of the population. Some markets without public radio: Selma AL, Albany and Macon GA, North Platte NE, Ardmore-Ada OK, Johnstown-Altoona PA, Laredo, McAllen-Brownsville, Odessa-Midland, San Angelo, Tyler and Victoria TX. The reports say "further expansion efforts in public broadcasting will be inhibited by start-up and maintenance costs, terrain problems in mountainous or river bottom areas, a lack of available frequencies due to proximity to Canada or Mexico, proximity of a television station broadcasting on adjacent-to-FM band channel 6, or competition from a multitude of low-wattage noncommercial stations."

A stereo FM broadcasting station on an IC chip. That's the Rohm BA1404, a 16-pin IC requiring only 1.25 to 3 volts DC to power it at 3 ma, such as from a single A cell, and is "ideal for new wireless microphones, surveillance devices, and for other low-power broadcast uses," with a stereo

separation of 45 dB. It will also accept the stereo output of a CD player and broadcast to a nearby FM car radio or portable with a range of 15 to 30 meters. Cost of the chip is about \$1.50. For more information, contact the maker, Rohm Corporation, Box 19515, Irvine CA 92713; (714) 555-0819.

The second edition of "European FM Handbook" now available. It also includes information on FM stations of the Near East and North Africa. It includes data on station frequencies, transmitting powers, transmitting sites, programs (including local programs), addresses, telephone numbers, along with maps and telephone numbers. Stations listed country-by-country and in frequency order. It is compiled by Mr. Timo Leponiemi at a price of 120 Finnish Markkas outside Europe, and can be ordered from Timo Leponiemi, Tukkiite 18 D 42, SF-00780, Helsinki FINLAND. The second edition now lists over 20,000 stations, up from the 14,000 shown in the first edition.

Former radio pirate now respectable broadcaster Bruce Quinn, 32, now operating WMR 107.7 Monticello IN, along with his brother-in-law. He's also involved in FM ventures in other small towns, including applications in Brownsburg and Ellettsville. "With a typewriter and a personal computer set atop a clanky old grey desk, Quinn petitions the FCC to approve the frequencies he's found. Squinting his eyes to focus, he unlocks a cabinet and removes the maps [including an FM Atlas, clearly visible in the AP picture on the console in front of him], frequency data and correspondence that have become his tools. It's called going by the book, a complete turnaround from the days he dubbed himself 'The Flying Dutchman' and broadcast illegally from a station he and his partners called Jolly Roger Radio."

"Today, using a high powered antenna and radio receiver, Quinn slowly scans the airwaves across the Midwest, ticking off call letters from his hometown of Springfield to Detroit to Green Bay. 'What I hope to do is have local people come in and do their own programs.'"

From the classified: Nonprofit radio reading service for the blind and print handicapped needs two R-Rs and two car machines in good condition; will pay for shipping. Cynthia Clark, CRIS Radio, 589 Jordan, Wetherfield CT 06109.

McMartin SCA receivers, large qty. available. R. Giller, IL Farm Bureau, 1701 Towanda, Bloomington IL 61702; (309) 557-3252.
Nema Clarke 8-tower directional antenna monitor BO or trade for AM or FM modulation monitor. F. Vobbe (a Xeril), GNSC, POB 5031, Lima OH 45802; 419-228-4199.

FMedia! Subscription Price to Increase

If you've been thinking of subscribing to my FM newsletter, which has more news and newer news than this column, now's your chance to do so at the rate of \$18/Year. Renewals also accepted from DXers whose subscription is to expire Dec., '89. The new rate not announced, but it could be as high as the \$45/year charged those in the broadcasting industry.

Back issues of the "FM Atlas and Station Directory" for sale. Don't let today's higher prices keep you from enjoying the Atlas (if you want older news), or get a back issue and read the introductory essay and FM news from another era. Eleventh edition 1988 \$9.95 (seven copies left), eighth edition 1982 \$6.95 (one copy left), fourth edition 1976 \$2.95 (one copy left), third edition 1975 \$2.50 (one copy left), second edition (reprint) 1973 \$2.50 (about 50 copies left). Add 55 cents per order for postage.

See Also October 1989 For:

AL Dathan WOOF-FM 99.7 format change to rock. Smolarek, p. 41.
AR Hoxie KHXX 100.5 apparent format change to r (oldies), still mono, Fela, p. 50.
AR Mammoth Spring KAMS 95.1 "K Country 95," not "Stereo 95"/
FL DeFuniak Springs WOUH 103.1 "Q-103" (from "FM-103"), Fela, p. 50.
FL Palm Beach WRMF 97.9 questionable format change from rock to country, Cooper, p. 42.
FL Riviera Beach-West Palm Beach WMMX 94.3 adds Boca Raton and "The IA Cedar Rapids WMT-FM calls remain that, not "KCRK", and nonID now "96 FM," George, p. 38; Pepin, p. 35.

IA Fort Madison KKBX-FM 101.7 rock; no nonID, apparently dropping FM-102, Pepin, p. 34; Strobal, p. 48.

LA Kaplan KMOL 97.3 "K-Middle" nonID, Ebeling, p. 42.
MI Alpena WHSB 107.7 "H8B-100" nonID, Sorensen, p. 40.
MN Albert Lea 96.1 calls are KQPR, format [rock], "Power 96" nonID, Sherman, p. 51. I'd like to know if KQPR is stereo or not.

MS Laurel WNSL-FM 100.3 was Chris Johnson's mystery "SL 100" on 100.5, p. 28. The G-E Superadio is not that accurate for telling if you are on 100.3 or 100.5; anyway, even if you were tuned to 100.5, the station could still have slipped over onto that frequency.

NJ Dover Township WKTW "91.1. The reason Joe Fela (p. 50) probably does not get it is because it is only 50 watts horizontal (1000 watts vertical); most DXers' antennae are horizontally polarized.

NY Buffalo WFBF "89.9 on air," "Station News," p. 36.
NY Poughkeepsie WRNQ 92.1 apparent nonID, "Q-92," Fela, p. 50.

TX Abilene KORO-FM 100.7 Q-101 nonID, Sittel, p. 31.
TX Mineola KM00-FM 96.7 "Double O" nonID, Fela, p. 50. Is it still monophonic?

TX Winfield KYKM 97.7 "Kick'em Country" nonID, Fela, p. 50.
VA Appomattox WZST 102.7. Need to know if it broadcasts in stereo, Mancuso (after whom a new TV series is being named?), p. 29.

FCC-FM Top 50 list of "Lame Radio" to Come Out

LA Shreveport KWKH-FM 94.5 "Radio Ranch" (from "Country Ranch"), Laun, p.28.
 NSSydney CKPE 94.9 "K 94 FM" nonID (not "K 95 FM"), changing from
 "Cape Country 95," Fela, p. 50.
 PQ Jonquiere CHOC 92.5 stereo, Merrill, p. 45.

The October VUD came just in time to make this column while the printer was slowly grinding away. In other news from today's mail:

Alain Pepin says he's testing a Nikko Gamma 30 receiver, digital, sensitive, NOT selective, with some 4 m2 splatter. He has heard the new CFJO 103.3, claiming it is in Thetford Mines, not Joliette. Wherever it is, it's "youth oriented, rock, current hits, French," presumed stereo. Perhaps by next month the mystery of its location will be cleared up.

"Correction on Sept. '89 VUD: CIMO 106.1 Magog still 'See-Mo' with dance music. 'Star 106' is a special feature about new artists, etc. While we're at it: CKMF Montreal's 'F-94' is the station's van, not a slogan. CIRO 99.7 St. Georges dropped IDs, now strictly 'Le FM Country,' no more syrup, acid rain?"

Honorable Lame Radio Doctor Bill Nienajadly sent an article about WHTZ 100.3 having to share the top ratings spot with WLTW-106.7. Next in line were WPAT-AM-FM combination, WINS AM, WOR AM, WCBS-FM, WNEW-FM, WRKS, WOHT and WBSL. Howard Stern's WXRK was in 11th place. An AM happening (FM station saboteurs?) was WABC 770 silenced for the third time in three weeks, the most recent being Oct. 2 from 5:30 a.m. to 9:45 a.m. Station doesn't know what the cause is, but they are, for now, ruling out mischief. Bill did not hear Blairstown NJ's Family Radio translator, W269AH "101.7, when he was there. "I've started writing down songs played by WEZN, WNSR, WALK-FM, WFAS-FM, WEBE and WLTW, and out of this unsentimental survey I'm going to, total a top 50 list of over-played burnout and worn out songs. Very early totals so far indicate 'Mrs. Robinson' by Simon and Garfunkel is the No. 1 burnout song on Lame Radio, but it's still early yet, and most played artists on Lame Radio will be tallied in this survey of mine. It should be most interesting! I'll let you know the final results." [You can bet I won't print the whole list, either here or in FMedia! but I applaud Bill for trying to put a handle on "Lame Radio."]

Also in today's mail: Frank Aden, Jr. reports from a trip to Idaho Falls, where all FM stations are as shown in the "FM Atlas," except KSIF 96.1 "Kiss," which is now a peculiar rk format, mostly ac, but about 20 percent country. "I wonder how long they will last with that format?" he muses. "I finally got a temporary antenna up on the roof. I put my omnidirectional FM antenna about 25 cm above the roof. Reception of KZDX is not as good as at my old address with the antenna indoors! It may be due to the elevation, that the KZDX signal may be coming in more towards ground level. Will have to do some experimenting on that later. KLVJ has about the same signal on 99.1 as they were on 99.3. It will be interesting to see just what type of signal [that Mountain Home ID] station will have when and if they go to 100 kw. Hopefully, before winter starts I will get a more permanent antenna set-up going. Bill [Frahm] will probably get a chance to look over the new FM Atlas later this week, so I may have more station changes to report in a few days."

Strange goings on in Tampa FL. WFLZ 93.3 still r, "top 40," but for about a week they were apparently trying to confuse the competition (and listeners), mainly WRBQ Q-105. They flirted with urban. "Then they declared the whole week a hoax and returned to oldies for the weekend." A few days later they went to top 40. "The Power Pig—Power 93." This according to Jonathan Gabel, who is ordering some back issues of the "FM Atlas" and renewing his FMedia subscription. Almost all the back issues of the FM Atlas (see above, "From the Classifieds") are now sold out, and I will buy back any mint issues of editions 1 to 8, excluding the Second edition, paying 50% of the cover price. I bought a copy back from a bookstore of the Eighth edition, paying them one dollar, and have sold that copy twice so far.

FM FORUM, VUD Edition Comments From FCC-FM READERS, ET AL.

Dave Sinclair, a VUD reader, kindly sent word about a new FM station application in the greater Vancouver area. The station would be English-language, and the CRTC has called for competing bids. The applicant was not identified, nor were the frequency applied for or its technical parameters. "I am unable to find out any more about this application," Dave writes. "I hope you will think that this item is worthy of publication. I am hoping that there will not be another type of rock station!"

Clearing up the mess in Philadelphia, with WXPB moving and the new stations nearby on *89.1 (see above, "New" and "Facilities Changes"), was WRTI above, and "Facilities Changes"). He consulted his Chief Engineer Mark Humphrey. He consulted his counterpart at WXPB, Vinnie Curren. "I'm sure you recall the legal problems WXPB was having about 10 years ago, regarding indecent programming and a lack of licensee control. Nowadays, WXPB is making big news in public radio circles because of their children's programming, innovative music format (World Rhythms) and they walked away from this year's Public Radio Conference with four CPB awards!"

"It was amusing to read in last month's FMedia! about 'public broadcasters behaving like children'. The opposite is true in Philadelphia. WXPB, WHY-FM and those of us here at WRTI work closely together and cooperate quite well. We try to complement each other's programming instead of sounding alike, and this strategy has paid off in the ratings for all of us. . . I'm really enjoying my subscription to FMedia! and I also want to offer my compliments for another excellent FM Atlas. It was interesting to read about your trip to Syracuse. I will be attending the SBE Regional Convention there, and hope to see many of my old friends. I'm taking WRTI's program director, Karl Kessler, along—he will be spending the morning at WAER exchanging ideas with JoAnn Urofsky, their program director."

Rochester's Scott Fybush says local WBBF promotes itself on the sides of buses as "Country Music on AM Radio," which he fails to see as a selling point. "WVOR 100.5 is now calling itself 'the new WVOR 100,' though their format is virtually unchanged. I suspect this is in response to WRMM 'Warm 101.3,' which has an almost identical format. WRMM did poorly in the last ratings, behind perennial leaders WCMF, WPXY, WVOR and WHAM, and even falling behind such lower-rated stations as WKLX, WBEE and WDKX. Only the other AMs, WBBF, WEZO and WWMG did worse."

"Another entry in your 'stations outside the big city trying to get in' department would be WZSH 95.1 Bristol Center, NY. Their signal is notoriously poor in the Rochester area, subject to massive interference from WCMF and WPXY, even on good radios. North and west of the city, they are impossible to receive. A few years ago, when they were WYLF, playing Music of Your Life, they installed a translator in East Rochester, W288AR 105.5. It provides good service to some of the eastern suburbs, but WZSH never mentions it on the air or in any of its printed promotions. Reception on 95.1 or 105.5 in the car is nearly impossible; my grandmother has given up on the station. Yet this station maintains its sales offices and studios in East Rochester NY. They are frequently unable to receive the 95.1 signal clearly at their studios!"

"The tragedy of all this is that WZSH is one of only three Class B FM stations in the Finger Lakes region of upstate NY (along with WYXL and WQNY Ithaca). Its signal is strong and clear throughout the area, unlike the small Class A stations (WLKA Canandaigua, WECQ Geneva, etc.) that fade quickly outside their counties of origin. But to listen to WZSH, you'd never suspect that it was other than a Rochester station. WZSH's performance in the ratings has slipped recently, so perhaps it will retreat to its home turf soon. Meanwhile, its old format, Music of Your Life, and old call letters, WYLF, have been picked up by the former WQKA 850 AM Penn Yan NY. . . And with that music format, who really cares about the sound quality? NY Big Flats 97.7 nonIDs as 'Gem-97.7'—they are now the only beautiful-music station in western NY besides WZSH and WRHP Syracuse. . . WLKA 102.3 Canandaigua NY may be trying to sneak into Rochester also. They tried once when they went from WCGR-FM to country WFLC in 1977, but even being the only FM country operation in the area couldn't make Rochester interested. Now they're trying to capitalize on being the only new-age/jazz

station in the area. But they face many of the same signal problems as WZSH; their 3000-watt signal is strong only in southeastern Monroe County, and even there has 105,000-watt WMJQ 102.5 Buffalo ('serving the universe') on the adjacent channel. WLKA's competition is Wave affiliate WBWV Wethersfield Twp NY, which, as WUWU, tried frequently to serve Rochester (it had a sales office here for a few years). After a retreat to being WBVR, 'Buffalo's Bear', they are once again running Rochester weather and ads."

WCMF 96.5 Rochester is celebrating 20 years with a rock/progressive format, with the mayor designating a recent date "WCMF Day." Before that, it was a commercial classical music station for eight years. Its call letters stand for "Community Music Services." With WCMF already taken, it went for WCMF. I have the Aug., 1976 "FM Guide." In it is an ad for Sansui, sponsoring "A Whole New World of Jazz." Stations carrying the show are listed, including WCMF Rochester Mondays at 10 p.m. Fybush also sent copies from a computer bulletin board discussing "sanctified interference" people living near the tower of WYCA 92.3 Hammond IN have been getting. WYCA has reportedly not responded to the complaints.

WZPK 103.7, New England's "Peak," may be fudging a bit in its literature. Information sent by Bob Gilbert includes a WZPK coverage map showing the station blanketing virtually all of NH and VT as well as much of Maine and southern Quebec. The map also takes in the city of Keene NH, where WKNE 103.7 is located! I have written to WZPK and pointed this out, but so far no response from them. The NH state emergency broadcast system, like those in many other states, is said to be "outdated, untested." No one really knows what might happen if the system is to be used for weather emergency, floods, or chemical spills. "The system is in chaos," one broadcaster said. Making the problem worse is that many stations would be off the air in the event of a power failure, as they lack emergency generators. Primary station is WHOM 94.9 Mount Washington, which is then relayed by WHDQ 106.1 Claremont.

Now that KFAC has dropped classical music in L.A. its library will be parceled out to Leland Stanford Junior University, the Los Angeles Public Library and public station KUSC—this after trying to sell the library for \$1 million. In honor of this donation, KUSC's manager Wally Smith said the KUSC call letters will remain the same, but one of the satellite stations which pick up its programming will be changed to KFAC. Speculation was that KFAC could not legally sell the recordings, as many had been given the station and selling them could violate conditions under which the gifts were made. Louise Heifetz, who just sold KFAC, has bought WXTR 104.1 LaPlata MD, causing Mike Dorner to wonder if she might be interested in converting it to classical?

The Bible Broadcasting Network is buying WHGG *88.3 Bristol TN, KCEV *88.3 Wichita KS (a gift!), and WFCE *88.9 Tarpon Springs FL. They've also contacted me about the possibility of buying a station in this area, since their satellite "footprint" covers it well. WESD *89.1 Schofield WI (10 watts) is being given by the area school district to the Oasis of Love Club. "Sounds religious."

"Someone asked about 104.3 in Cincinnati, and you remarked about it being too close to 104.1 Portsmouth OH. Fact is, 104.3A was recently allotted to the Cincinnati area (Harrison). Another request, for 107.5A to Moscow OH (also Cincinnati), was denied in favor of Kentucky assignments. Your reader was correct; in 1948 there was a c-p for 104.3 Cincinnati, WOYO, but I don't think it was ever activated. In 1959, WAEF-FM was on

104.3; I don't know if it ever went on the air. By the 1963 table, it was gone.

"I note the increasing number of Class A stations going off the air—small, but increasing. I wonder if anyone is keeping record of Docket 80-90 stations, which should be coming on the air the past year or so? What is their track record, I wonder? I don't know if they're going to make it against the 100 kw, 305-meter giants and their overload." Also included was an article on the brisk trading going on in radio properties in New Orleans—13 in the last 2½ years. Actually, it's 14 with the latest being WLSA 1560 AM Slidell in what would be called an "AM happening most likely caused by FM," sold a second time, and changing format to all sports (play-by-play and talk).

"The sad thing about the demise of AM radio. . . is that so many stations going off the air are pioneer stations, like WREN Topeka and WEW St. Louis." WEW once had an FM license. "Stations like these should not have sunk; they had first grabs at FM frequencies in 1948, again in the 1950s and again with the new 1963 allotment tables. . . I note the demise of cp KJVL Beaumont TX. This religious group has beat out KVLU Lamar U., Beaumont, for a frequency shift and power increase. Remember the old WCMC Paris OH cp? It beat out another public station and never got on the air. . . WFCA 107.9 French Camp MS, on the Trace, is run by the French Camp Academy, a religious school founded in 1822 and still operating. An impeccable ancient log cabin house sits on the grounds, along with fine old farm implements and other items of interest. Students there, like at the School of the Ozarks, must work some hours at the school. Gospel music of all types, joining Moody Network Saturday afternoon. Will go from C1 to C soon. Place is definitely worth a visit; it is near Ackerman and Starkville MS." He's extending his list of classical music stations to include Latin America. "If anyone knows the call/slogan and frequency of both noncommercial and commercial classical music stations in the rest of the New World, please write!" Mike Dorner at 509 Red Oak Drive, Mandeville LA 70448.

Much of the translator news from the SW states came from the travels of Glenn Hauser, who wishes that I'd be more specific about indicating stations and translators known not to be on the air.

Two people sent along an article in "Radio-Electronics," having more detail than was in this newsletter earlier on FMX. You might want to check out the October issue if you're interested.

On with lower-than-authorized power is WDTR *90.9, "owned by the troubled Detroit Public Schools." Right at the Detroit city limits, the station now fails to turn off the muting control on a receiver. Giving students a break in the big city are WDTR and WGPR 107.5, "run mostly by first-time broadcasters—along with WGPR-TV 62, they consider themselves a training ground for young black broadcasters—which is great, but they ought to do it on a small AM station. Religious station WMUZ 103.5 is about average for such stations—sometimes fairly good audio, sometimes awful, lots of blocks sold to preachers (some of the worst audio broadcast anywhere), disc-jockeys using 'born again religion-ese' instead of communicating in plain English, unprofessional commercials, especially of the type using a public service type-announcement followed by a tag for the sponsoring business. What a contrast with WWCN 990 AM in Ypsilanti—one of the best-sounding AM stations around—mostly contemporary Christian music in AM stereo with professional-sounding announcers," writes James J. Nahiriak. He goes on to say that WOMC 104.3, now owned by Infinity Broadcasting, just fired highly-paid evening host Alan Almond and its morning man Tom Ryan and sidekick traffic reporter Liz Somerville. Ratings were up, causing speculation that the company may be thinking of bringing in Howard Stern via satellite. 73iily, *Bruce*

NWS

THIS ISSUE'S HEADLINES

-Greg Coniglio hears
NWS Es on July 4th!!
-Frank Merrill tells
us about Midwest NWS!
-Charles Gauthier gets
some vacation tropo!
-And I tell you about
the hot NWS condition!

Matt Sittel
PO Box 21441
509G Wood Hall, NCSU
Raleigh, NC 27607
(new building name)
(919)737-5477
(best time to call is
between 11PM-mid., ET)
Deadline: 12/1/89

NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989 NOVEMBER 1989

It's back! After a break, NWS News has returned! I apologize for not having a September column, but during the first 10 days of the month I was traveling to and from the WTPDA Convention in North Syracuse, NY. Thanks to Bill Kretschmer for a fantastic convention, and for all the hard work he put in to make it great!! I enjoyed meeting all of you who attended, and seeing again those who made it to Georgia in 1988. When I returned home, it was time for Rush, that is, to get ready for college. Then I considered an October column, but all my kind professors decided their work was more pressing than my free time, thus I have waited until now. I've got 4 tests next week, but this is more important... for now, anyway. (Don't tell my folks, though!!) Anyhow, we've got lots of things to cover and here we go.....!

Bill Hepburn, 1547 Mississauga Valley #1211, Mississauga, ON L5A 3X8

JUNE 1989				JULY 1989			
6 tr				7 tr			
2350	WBFO	948.00	NY Buffalo STL	68	0750	YQO	114.20 ON Aylmer VOR
2352	WEER	942.505	NY Buffalo STL	68	0752	YXU	127.80 ON London ATIS
7 tr				0833	CKPC-FM	957.49	957.75
0048	WHTT	951.00	NY Buffalo STL	68			ON Brantford STL
9 tr				9 tr			
0043	WBUF	947.00	NY Buffalo STL	68	0756	WXM31	162.40 NY Elmira
23 tr							(relays WXL-38 Binghamton)
0438	ACO	114.40	OH Akron VOR	190			

EQUIPMENT: Realistic PRO-2004 receiver/balcony active discone/dipoles
active vertical yagi for aviation band

A new distance record for the aviation band was achieved with the reception of ACO Akron OH at 190 miles. Signal was fairly good with the Morse Code ID easily readable. No sign of Akron NOAA at the same time. The 'ACO' stands for Akron-Canton, Ohio.

For those seriously DXing the aviation band an FM trap is almost a must in metro areas. It probably does attenuate part of the band-but only up to 110 MHz or so depending on the brand name. I use a Radio Shack FM trap and it seems to work quite nicely. I have it located at the antenna in front of the in-line amplifier. (It makes no sense to place it afterwards if the FM signals have been amplified as well). Separate antennae for FM and aviation are then needed.

May your local weather radio be swamped by Es... 73s...
(Somebody's was, Bill! Read on...-mcs)

Greg Coniglio, 5100 Glenwood Drive, Williamsville, NY 14221

DX from Angola, NY: Realistic weatheradio

7/4 Es!

1802 WXM58 162.400 FL Clewiston (relay of WPB)

1805 KEC50 162.475 FL West Palm Beach

(taped: severe T-storm, ID (no calls), Florida wx update)

This was one of, if not the best opening I have heard ever! FM was saturated with stations from Florida, Georgia, southern Alabama, and South Carolina. Locals were being wiped out (Awww!! Bet you really missed 'em too, hi!-mcs) Toronto semi-locals gone for hours! (Imagine no local programming! Let's hear it...Awww!!!-mcs) I sure hope many of you heard this fantastic opening! Other area DXers heard it on NWS for a lot longer! It hit channel 7! 73's Greg. (Well, you're the only one to report NWS Es, Greg. It seems something so rare would be reported by more than just one of those who heard it! At least a summary of what you heard?? Anybody??-mcs)

Frank Merrill, PO Box 669, Macomb, IL 61455 New reporter---Thanks for writing!!!

6/6 tr				6/20 tr			
0709	KID77	162.550	MO Kansas City	240	0448	KW039	162.550 IL Chicago
0715	KEC77	162.400	MO St. Joseph	225	0452	KEC60	162.400 WI Milwaukee
6/20 tr				0720	WXJ87	162.550	WI Madison
0447	WXJ89	162.475	WI Wausau	310	0815	WXL64	162.400 IA Dubuque

June 20 has been the only date since the June 4 installation, on which I have noted any really strong distant tr. There were some dates in May on which I think such DX would've been very interesting! I have tried for NWS Es on a couple of occasions when FM was full, (Frank's report continues on the next page...)

NWS NEWS

-page 2-

NOVEMBER 1989

(Frank Merrill, cont.)

6/5 tr, trs, gw assumed

6/5 cont.				6/6 tr			
0628	WXM49	162.425	IL Marion	180	0907	WXM81	162.450 MO Hermitage
0630	WXJ75	162.400	IL Springfield	70	0958	WXX72	162.400 IN Terre Haute
0632	KD089	162.550	MO St. Louis	125			
0637	WXL45	162.400	MO Columbia	135	0709	KID77	162.550 MO Kansas City
0639	WXJ73	162.550	IL Moline	70	0715	KEC77	162.400 MO St. Joseph
0642	WXJ76	162.550	IL Champaign	130	6/20 tr		
0644	WXJ90	162.550	MO Camdenton	200	0447	WXJ89	162.475 WI Wausau
0653	WXL61	162.475	IA Cedar Rapids	90	0448	KW039	162.550 IL Chicago
0658	WXJ71	162.475	IL Peoria	50	0452	KEC60	162.400 WI Milwaukee
0731	WXX82	162.475	MO Hannibal	65	0720	WXJ87	162.550 WI Madison
0746	WXL57	162.550	IA Des Moines	160	0815	WXL64	162.400 IA Dubuque

June 20 has been the only date since the June 4 installation, on which I have noted any really strong distant Tr. There were some dates in May on which I think such DX could've been very interesting! I have tried for NWS Es on a couple of occasions when FM was full, but none was noted. Of course the band is just below channel 7, so NWS Es would be certainly be a warning to check high band Es as well. I will not be surprised to see NWS or high-band Es reported around noon July 22, because I had some 500-600 mile Es near the top of the FM band and plenty of metro Colorado stuff (700-750 miles) and little else. I feel that people located at a more favorable distance from the midpoint (450-600 miles) may have had higher MUF's because higher frequencies are less capable of being reflected/refracted at the sharper angles required for short-hop Es which, in fact, usually indicates a very high MUF. Now for some good Tr so I can log more! 73.

Charles Gauthier, 3260 Beaulieu, Brossard, PQ J4Z 2P7 Canada

NWS DX REPORT from Wildwood Crest, New Jersey

Directed by:

Charles Gauthier

starring

Realistic 12-141 Weatheradio at 50 feet AGL

(Produced by:

The-At Mos-Phere-mcs)

JULY 1989

15 tr	2249	KEC83	162.400 MD Baltimore	97	Locals:	KHB38	162.400 NJ Atlantic City	43
	2310	KW035	162.550 NY New York	135		WXJ94	162.550 DE Lewes	24
18 tr	2100	KEC83	162.400 MD Baltimore	97	Semi-locals (mostly heard at night):			
19 tr	0000	KHB37	162.550 VA Norfolk	161		KIH28	162.475 PA Philadelphia	71
	0010	KW035	162.550 NY New York	135		KEC92	162.475 MD Salisbury	57
	1325	WXM80	162.475 NY Riverhead	135				
20 tr	0000	KEC73	162.550 MA Hyannis	303	THE END			
	0030	WXJ39	162.400 RI Providence	267	(This deserves a DX Oscar, I think!-mcs)			

A new Weatheradio Canada station in Sept-Îles, PQ on 162.550MHz. I don't have the call letters. A new ChB station in St-Jean-sur-Richelieu, PQ (Salut, Alain!-mcs) on 161.775MHz on ch.83B. It relays VFN Montreal which has now five repeaters: St-Bruno, Rigaud, Trois-Rivières, Soul, St-Jean.

Matt Sittel, NWS News Editor

6/11 tr (Kingsport, TN)

0142	WXL70	162.475	NC Charlotte	125	Apparently WXX46 Knoxville was off during			
0646	WXM72	162.425	WV Hinton	125	all of this. It was fantastic!!! Certainly			
0702	WXX74	162.475	IN Lafayette (#7)361!		it wasn't NWS Es, but in Tennessee I'll gladly			
					take it! Now let's head east, shall we?			

DX in Raleigh, NC (note: usually there is nothing on 162.400, but late PM and early AM, yes.)

AUGUST 1989

22 tr	2220	KHB31	NC Wilmington	116	2 tr	0104	KEC95	SC Myrtle Beach	123
23 tr	2216	WXL42	NC Winston-Salem	106		0104	KHB31	NC Wilmington	116
	2352	KEC84	NC New Bern	104		0212	KEC84	NC New Bern	104
24 tr	0853	KEC95	SC Myrtle Beach	123	3 tr	0005	WXL42	NC Winston-Salem	106
	0854	KHB31	NC Wilmington	116	6 tr	0757	KHB31	NC Wilmington	116
26 tr	0159	KEC84	NC New Bern	104		2356	KHB31	NC Wilmington	116
28 tr	2323	KEC95	SC Myrtle Beach	123	7 tr	0854	WXL42	NC Winston-Salem	106
29 tr	0011	KHB31	NC Wilmington	116	8 tr	0756	KEC84	NC New Bern	104
	2154	WXL42	NC Winston-Salem	106	9 tr	0044	KEC95	SC Myrtle Beach	123
30 tr	2042	KHB31	NC Wilmington	116	11 tr	0133	WXL42	NC Winston-Salem	106
	2321	KEC84	NC New Bern	104		0740	KHB31	NC Wilmington	116
	2349	WXL42	NC Wilmington	106		0741	KEC95	SC Myrtle Beach	123
31 tr	0818	KEC84	NC New Bern	104		2306	WXL42	NC Winston-Salem	106
	0819	KHB31	NC Wilmington	116	12 tr	2239	KEC84	NC New Bern	104
	0854	KEC95	SC Myrtle Beach	123		2252	KHB31	NC Wilmington	116
	2127	WXL56	NC Asheville	253	13 tr	0031	KEC95	SC Myrtle Beach	123

SEPTEMBER 1989

1 tr	0843	WXL56	NC Asheville	253
	0952	WXL42	NC Winston-Salem	106

KHB31 and KEC95 both in, KEC95 was probably the clearest ever! In less than an hour, I see TV deep into GA!

NWS NEWS			-page 3-			NOVEMBER 1989		
(Matt Sittell's DX, cont.)			SEPTEMBER 1989					
13 tr	2054	WXL42 NC Winston-Salem	106	26 tr	2308	WXL42 NC Winston-Salem	106	
16 tr	2332	WXL42 NC Winston-Salem	106	30 tr	0159	WXL42 NC Winston-Salem	106	
17 tr	0933	KHB31 NC Wilmington	116	Note: All frequencies are 162.400, except for KHB31, which is 162.550. New mileages: KEC95 123, was 147. WXL42 106, was 89. WXL56 253, was 218. Some logged twice in a day heard, faded out, then returned in a different opening.				
	0933	KEC95 SC Myrtle Beach	123					
	0933	KEC84 NC New Bern	104					
24 tr	2338	KHB31 NC Wilmington	116					
25 tr	0801	WXL42 NC Winston-Salem	106					

COMMENTS:

DX here in Raleigh has been much more plentiful than in Kingsport, and more plentiful than last year in Raleigh. A logical explanation has been the hot weather early in the school year. We had many 90° days in late August, and the DX was certainly there through the first two weeks or so of September. Now things have cooled off and so has the DX. I have included almost all of the DX, as under normal conditions nothing at all comes in on 162.40, so when I do hear something, and that is a majority of the mornings, I log it, and you see it here. This shows you the kind of NWS DX we have here.

My roommate asked me: Why do I find DX so interesting? You know, I really couldn't come up with much of an answer. Why do we like it so much? I enjoy seeing all the different station signals every morning, and how they compare with previous DX seen. I also like to compare the different NWS stations and how early and late they will come in. I have much the same interests on TV and FM. How should we explain our fascination with DX to the non-DX world?

I noted some NWS stations while traveling to and from New York. Here's what I found:

Morgantown, WV				
162.400	KD094	OH Akron	130	It was fun trying to null out Clarksburg to pull in
162.475	WXJ47	OH Caldwell	90	Pittsburgh. This was August 1-2, 1989. I also got
162.550	WXJ85	WV Clarksburg	34	confused by the Akron and Caldwell/Cambridge stations,
162.550	KIH35	PA Pittsburgh	57	both with almost the same programming and few ID's.

That was the only real "bandscan" I made. Since I was doing all the driving, I couldn't write down too much information. I dictated some of it onto audiotape, but I can't recall all of it. Just south of the I-79/I-76 interchange between Pittsburgh and New Castle, PA, I had Akron on 162.400, State College, PA on 162.475, and Pittsburgh on 162.550. The distances on these were 85, 117, and 13 respectively. At the convention site in North Syracuse the only station I could receive was WXL31 162.550 Syracuse. During the time I was there, 2 severe thunderstorm watches were issued for the area. Attendees can vouch that Saturday evening was a little soggy, and the time just before that unusually humid and extremely warm. I must say it felt warmer that day than it had ever felt all summer in Kingsport!!

Greg Coniglio has kept me up to date on the possibility of the new Doppler radar being installed near his home. A letter written in the July 19 Buffalo News says:

"We have never questioned the meteorological advantages of NEXRAD radar and its importance to western New York. Ongoing studies of the 'supposed health threats, from microwave emissions' indicate that these hazards are very real. The NEXRAD Environmental Impact Statement Manual discourages any installation from being placed within a one-mile radius of residential areas. Even the safety standard for electromagnetic radiation in the USSR is 1/100 of today's accepted U.S. standards, recognizing that there are dangerous biological effects.

Comparison of the NEXRAD system to the air traffic control radar is difficult, due to differences in the antenna patterns. NEXRAD's one-million-watt power is concentrated in a pencil beam, while the air traffic control radar is vertically distributed. Home wiring cannot be compared directly to radar due to the extreme differences in frequencies. We also question what possible adverse impact the lack of this installation will have on the area's economy. We reiterate, NEXRAD radar can be beneficial but site selection must be made away from populous areas."

That's an interesting letter. I understand the concerns of the people who wrote it. I would like to see exactly where the site was supposed to be again to understand the point of view of the letter. Any comments from you? Especially you who are near it?

I recently witnessed 1" diameter hail, the largest I had ever seen. Usually just after a severe thunderstorm DX picks up to the west, usually resulting in my receiving Winston-Salem NWS fairly well. It's interesting.

Below you'll see a listing of the NWS stations in West Virginia. I found it in the paper

in Charleston, I can't remember the title of the paper, or if it was the morning or evening edition. But our paper in Raleigh does the same thing. Charleston operates Sutton and Spencer, Hinton is operated from Beckley, and I haven't heard Huntington, but I assume it is independent of any other, like Clarksburg, which I have heard.

Let me be the first to wish you and yours a most joyous and safe holiday season, because I want you back here in January when we once again meet in the column known as NWS News! 73's and super DX! *Matt*

WEATHER RADIO

The NOAA weather radio system, operated by the National Weather Service, provides instant information on weather watches, warnings, special statements and present conditions around the state on a 24-hour basis. The reports can be heard in Charleston at VHF 162.40 megahertz, Huntington and Clarksburg are 162.55, Spencer is 162.50, Beckley is 162.55, Sutton is 162.45, Gilbert is 162.45, and Hinton is 162.45.

The TEKNIKA TVC-22

IT MAY BE THE NEXT-BEST THING TO THE SCARCE TEKNIKA 6510 TUNER--
AND IF YOU HURRY, THIS ONE'S AVAILABLE AT A RIDICULOUSLY LOW PRICE!

Several years back, many DXers were raving about the Teknika 6510 Component TV Tuner as an excellent DX receiver. Sad to say, the 6510 was discontinued, and sources for its purchase have shriveled up to just about nothing. However, another Teknika tuner is currently available from a liquidator called the COMB company, and it may be almost as good as the 6510. It is the Teknika TVC-22.

I just purchased one of these units and have compared it to a basic, off-the-shelf Sears TV that I was using for a DX set. The Sears unit is not made to be a DX receiver, of course, but I have found its performance to be about average for commercially-available portable TV sets. I am not an engineer, and have no means to measure signal strength and the like, but what follows is a layman's comparison in several key areas:

UHF SIGNAL STRENGTH: Very significantly improved. Runs circles around the Sears' built-in tuner and would, I suspect, be superior to that of most commercial TV sets.

UHF IMAGES/CROSS-MOD: A bit worse than the Sears, but that's the trade-off for more gain!

VHF SIGNAL STRENGTH: Slightly better than the Sears.

VHF SELECTIVITY: About equal to the Sears.

FEATURES, ADVANTAGES, DISADVANTAGES: The TVC-22 has no remote control, unlike the 6510. A 10-digit keyboard enables random-access tuning by merely entering the channel number. There is, however, no up/down scan function that would enable one to step sequentially through the channels. It receives Stereo and SAP broadcasts, and seems to lock in stereo even on relatively weak signals. There is an RF output (75 ohm) to use a standard TV as a monitor, as well as standard phono jacks for both audio and video output, for use with monitors and stereo amplifiers.

Contrary to what one 6510 owner had warned me about his unit, the composite video output of the TVC-22 produces a picture of only slightly less quality than that from the RF output. And using the video output to feed a VCR, even the *weakest signal is recorded without the dreaded "blackout" syndrome!* No longer must I suffer with the VCR's lousy tuner to record my DX!

A fine tuning function helps with adjacent channel problems. A 1/4" headphone jack on the front panel enables quiet DX monitoring (in stereo, yet) without disturbing family or neighbors. And an unusual feature (though not of major significance) is that the tuner retains the current channel in memory, even when the power is off. (Most electronic tuners automatically revert to channel 2 in that case.)

NOW FOR THE BEST NEWS!!! This unit, with an manufacturer's suggested list price of \$169, is available from COMB Liquidators FOR THE UNBELIEVABLE SUM OF ONLY **\$39 PLUS \$6.50 SHIPPING!!!**

No, that is not a misprint. I believe the main reason they are "dumping" these units so cheaply is that for CATV use, they only cover the midband (A-I) channels. Since most CATV systems utilize the superband channels and others, these units are useless for the average videophile. I suspect that the TVC-22 predated the 6510, but uses much of the same circuitry.

Is it the TV-DXers "dream machine?" No, but for a mere 39 bucks, any DXer using a commercial TV for UHF can significantly improve his DX. I did, and I'm glad. But if I were you, I'd hurry. Lord only knows how many of these tuners they have, or how long they'll last!

--jfc



MODEL NO. TVC-22

Enjoy Stereo TV Broadcasts with This Converter

Treat Your Ears to Quality Stereo Sound as you watch TV broadcasts with this innovative unit from Teknika. It boasts an MTS (multichannel TV sound) decoder for enjoyment of stereo with any TV or SAP (separated audio program) events such as bilingual broadcasts. You'll want to check out these other great features, too:

Easy to Connect. There are no internal connections, so you can hook up this Teknika TVC-22 to your TV set and stereo amplifier in minutes.

CATV Compatible. Provides access to all VHF and UHF channels, in addition to cable midband A-I.

Direct Channel Access. Favorite channels can be preset and then later accessed by using the 10 channel selector buttons conveniently located on the front panel.

Electronic Synthesizer Tuning System. Built-in electronic tuning system with AFT (automatic fine tuning) automatically locks onto the best reception point and holds it.

Black Cabinet measures 3 1/4" x 11 1/4" x 7 1/4" LED channel readout. U.L. listed.

Super Liquidation Value! Because Teknika discontinued this stereo television converter in favor of a newer model, you can get an outstanding buy on a first-quality unit. Order today at closeout savings!

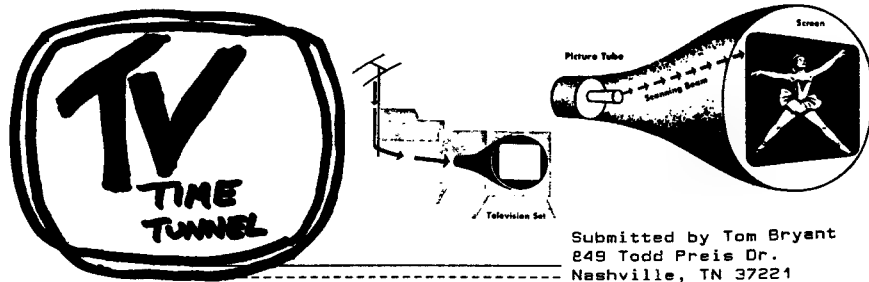
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Submitted by Tom Bryant
849 Todd Preis Dr.
Nashville, TN 37221

THE HISTORY OF TELEVISION

[condensed from a broadcast databank synopsis]

The Developers:

Like aural radio, television was made possible by electronic discoveries in the late 1800's and early 1900's. In 1884, Paul Nipkow, a German, patented a scanning disk for transmitting pictures by wireless. Although no one person is specifically credited with the 'invention' of television; the ranks of early experimenters included Charles F. Jenkins, E. E. Fournier d'Albe, E. F. W. Alexanderson, and Philco T. Farnsworth. In 1915 radio pioneer Marconi predicted the "visible telephone." In 1923, Russian-born American physicist Vladimir Zworykin applied for a patent on the iconoscope camera tube.

Early Tests:

In 1927 an experimental TV program was sent by wire between the Bell Telephone Laboratories in New York and Washington. By 1928 a few broadcast stations were experimenting with television, among them, General Electric's WGY in Schenectady which was the first station to present regularly scheduled telecasts showing programs three afternoons a week. Several months later NBC/RCA began operating W2XBS; an experimental station in New York City. About a year later CBS launched the operation of experimental station W2XAB. In October of 1930 NBC began experimental transmissions from atop the Empire State Building. In 1933 RCA unveiled an all-electronic system using the iconoscope. Prior to that time all images had been mechanically scanned. The new all electronic system dramatically increased the clarity and resolution of the projected images. By 1937 there were 17 experimental tv stations operating. The first U.S. President seen on tv was Franklin D. Roosevelt when he opened the New York World's Fair in 1939. That year saw the first telecast of baseball, football and pro-boxing events. One year later the Republican and Democratic National Conventions were televised. Coaxial cable for long-distance relay was first used for the Republican convention.

Commercial Telecasting Begins:

In 1940 the FCC set up a committee to adopt uniform technical standards for the industry. The end result was the creation of the NTSC system still in use today...525 lines and 30 frames per second. Although The Journal Company of Milwaukee (WTMJ) filed the first application for a commercial broadcast television station, the first licenses were granted to NBC and CBS for WNBT and WBCW, their respective New York City outlets. The grants were made on April 30, 1941 and the stations were allowed to begin operating the following July 1st. One interesting side note at this point regards the WTMJ application; the station did not begin telecasting until 1947. By May of 1942, 10 stations were on the air.

[to be continued next month]

If you thought the channel 3 puzzle was a maze, try this one! It contains 80 call letters which were once assigned but now (with a couple of exceptions) are dormant. A list of the calls; state of license when in operation, and channel are shown below. Put on your Time-Tunnel thinking cap and have fun!

R W F B M P W R N R O K V D O
C O W Y A J D R A K X W C R L
A R T B R Z F T R F A D A P C
L M W L W A K N K C K T W J X
W H K S S M E W R G W B A H C
K K O O L W K K L M H Y A W F
Y F A K F I K H V H J L M J W
B M B K D I X W O W Q W A P I
S T E C H C T Z W L T K R B K
W M W N B Q K U L I A P G C D
C M S D W W F B C K R D C E V
K K A A E N C W D O O W K W O
Y C S L M L T T J O B R O S O
O F M O T Q T A U K D D P M V
K N X T O G X K V T W U R W K

WENR (7) IL	WPRO (12) RI	KCND (12) ND	KDIX (2) ND
CHCT (2) AB	WIIIC (11) PA	KFI (9) CA	KFBC (5) WY
KWSL (2) NE	KLRJ (2) NV	WSLI (12) MS	KOOL (10) AZ
WOOD (8) MI	WBAP (5) TX	WHK (19) OH	WKY (4) OK
KHVV (4) HI	WSMW (27) ME	WRDU (28) NC	WDBO (6) FL
WCPT (55) TN	WLWA (11) GA	KFSA (5) AR	WDSM (6) WI
WTIC (3) CT	KMMT (6) MN	WJMR (20) LA	KOOK (2) MT
WDEL (12) DE	KSOO (13) SD	WEMT (7) ME	WNBQ (5) IL
WKZO (3) MI	KRCA (4) CA	KOA (4) CO	WAPI (13) AL
KLZ (9) CO	KCKT (2) KS	WNTA (13) NJ	KCPX (4) UT
WMT (2) IA	KFAR (2) AK	WMAL (7) DC	KID (3) ID
KFDW (12) NM	KTAR (3) AZ	WFBC (4) SC	WRCV (3) PA
WDXR (29) KY	WAAM (13) MD	WWJ (4) MI	CJAY (7)[4] MB
KVDO (3) TX	KDVO (3) OR	WCTU (36) NC	WLAC (5) TN
KGHL (8) MT	WOC (6) IA	WFBM (6) IN	WOR (9) NY
WJPB (5) WV	KNXT (2) CA	CHAB (4) SK	CKSO (5) ON
KDAL (3) MN	KXGO (11) ND	KOY (10) AZ	KORN (5) SD
KGEO (5) OK	WTVK (26) TN	KVOO (2) OK	WTAR (3) VA
KBMB (12) ND	KARD (3) KS	KCWS (3) CO	WOW (6) NE
KCMT (7) MN	KOPR (6) MT	WJKW (8) OH	WGR (2) NY

PHOTO NEWS

OCTOBER 1989

Welcome to new reporter, John Ebeling - Bloomington, Minnesota, with DX from Prosit (Alborn), Minnesota 24 miles northwest of Duluth. "I do not normally take photos, but the signals were so good that I had my wife set-up her camera and take the snaps off the VCR tape which recorded the signals." I hope photographing your DX becomes a habit. dja

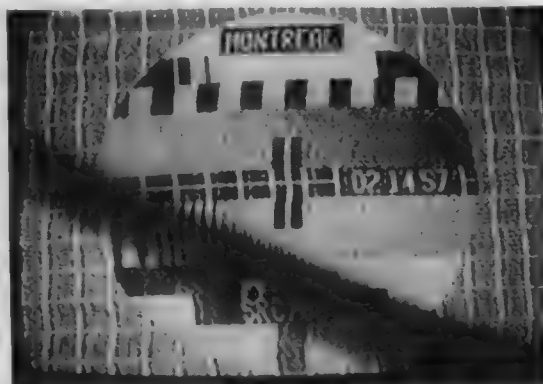
Mailing Address:

PHOTO-NEWS - P. O. Box 155 - Clarence, NY
14031-0155 U.S.A.

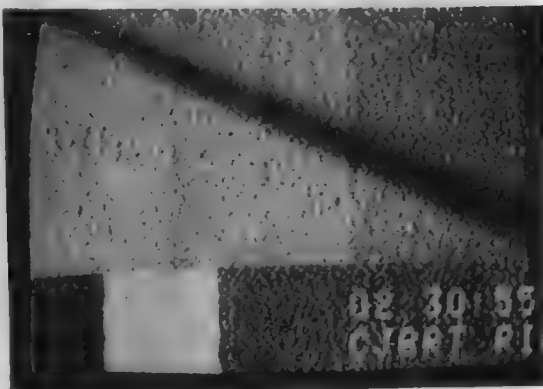
Photos submitted to PHOTO-NEWS become the property of this column and will not be returned.

EDITED BY
David J. Niemen

CBFT-2
Montreal, Quebec
860 mile E-skip
seen June 11, 1989
at 0114 CDTime



CJBRT-2
Rimouski, Quebec
1075 mile E-skip
seen June 14, 1989
at 0130 CDTime



Next up is Jeff Kadet - Macomb, Illinois, 57 miles west southwest of Peoria.
Equipment: Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith V1310 (all circa 1979-1982). Winegard CS-2073 10 element ch 7-13 log periodic with CP-3800 preamp, RG-11 foam up 80'; CM 7' dish with PA 4975 preamp, 1/2" aluminum hardline, up 75'; Finco 5 element 50-54 Mhz yagi with Belden 9913 up 37'.

PHOTO NEWS

OCTOBER 1989 page 2

Mailing Address:

PHOTO-NEWS - P. O. Box 155 - Clarence, NY
14031-0155 U.S.A.

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EDITED BY
David J. Niemen

Macomb, Illinois DX continued....



XEX-6
Altzomoni, ???
E-skip
seen June 18, 1989
at 1227 CDTime
"maybe in Veracruz, not sure"



XET-6
Monterrey, Nuevo Leon
E-skip
seen July 11, 1989
at 1310 CDTime



WLOS-13
Asheville, NC
554 mile tropo
seen August 31, 1989



WPTF-28
Durham, NC
737 mile tropo
seen August 31, 1989

Jeff sent in a photo of a pirate channel 14 from Manito, IL 47 miles away received 8/18/89. It's operated by the town sheriff out of his house. Info on screen not readable after screening; too bad!

More from Jeff next month.

DAVE

WESTERN TV-DX

Fred McCormack
Box 9077
Prairieview Station
Fargo, ND 58106-9077

Deadline: 12-07-89
Cut-off: 09-01-89

November 1989

September for TV-DX'ers in Wisconsin and Illinois was one of those months that we all spend years waiting for. Early September saw super tropo reaching into Illinois, but the best was yet to come. On the 17th a path opened up from Wisconsin to Texas and the signals continued to roll in for days! Thanks to all participants who reported this event in a very timely manner.

New ___ New Mode ___ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - //

BN Baja California Norte CH Chihuahua NL Nuevo Leon TA Tamaulipas

John Ebeling, 6843 County Road 47, Alborn MN 55702

CDT

DX from cabin at Alborn (Prosit), Minnesota

Equipment:

General Electric EC chassis about 1980 - electronic tuning (no fine tuning).
Antennas in the attic - one pointed south towards Minneapolis/St. Paul and the other aimed southeast towards Duluth - selection via knife switch. Neither antenna is a DX type.

July 1989	31 Es 1300 WMAR 2 MD	4 Es 1733 unid channel 4
2 Es 1100 KNMZ 2 NM	1400 WTVY 4 AL	(Gulf coast wx)
1100-1500 unids 2-6	1400 WDIQ 2 AL	2000 WMAR 2 MD
(Spent time on FM)	1500 WGRZ 2 NY	2200 unid ch 2 French
4 Es 1600-2015 unids 2-6	1517 CKCO2 2 ON	2200 unid channel 2
(Spent time on FM)	1630 WSB 2 GA	(Probably WCB5)
7 Es 1300-1600 unids 2-6	1650 unid ch 5 TN??	6 Es 0945 unids chs 2-5
1300 unid 2 Spanish	1655 WSMV 4 TN	(KDLH low power)
(With "8" in LL)	1730 WTVY 4 AL	1040 KATC 3 LA
1600 WRC 4 DC		1059 KAMR 4 TX
WTTG 5 DC		1100 KDBC 4 TX
9 Es 1000-1300 unids 2-6	August 1989	1300 KENW 3 NM
tr (See Note)	3 1630 Arrive at cabin	1300 KATC 3 LA
1405-1530 unid 2 FF	Es 1630 unids chs 2-4	1301 KPRC 2 TX
1520 KNMZ 2 NM	(Elving had FM)	(Es fading)
1600 KWGN 2 CO	1700 WWL 4 LA	1500 KNMZ 2 NM
17 Es 1327 WFMV 2 NC	1724 KPRC 2 TX	1900-2200 unids 2-6
1400 KACV 2 TX	1800 KPRC 2 TX	(Spent time on FM)
1600 KNMZ 2 NM	(Es fading)	9 Es 2100 WGRZ 2 NY
28 Es 0822 WSB 2 GA	2100 Up again chs 2-3	2130 KSNC 2 KS
0900 WTVY 4 AL	2330 unid ch 2 XEW	2200 WCB5 2 SC
31 Es 0900-1200 unids 2-6	4 Es 0900 unids 2-4 weak	2210 WCIW 4 SC
(Spent time on FM)	1700 unids 2-4 weak	10 Es 0001 WSB 2 GA
1210 WKRG 5 AL	1733 WBS 4 MA	

Note - 07/09 @ 1000 - Also excellent tropo - signals on all VHF channels and UHF channels 14, 15 (with CCI), 16, 17, 18, 19, 20, 22, 23, 24, 26, 27, and 29 (with CCI).

Frank Merrill, P.O. Box 669, Macomb IL 61455

CDT

Equipment: See September 1989 Western TV-DX

July 1989	18 Es 1700 WESH 2 FL	22 Es 1100 KSNC 2 KS 455
18 Es 1350 XHRIO 2 TA	1705 WJXT 4 FL	(Shortest ever!)
1400 KIII 3 TX	21 Es 2301 XEFB 2 NL	1130 KLBV 4 KS 573
KGBT 4 TX	22 Es 0006 KMID 2 TX	KTVS 3 CO 525
1500 KJAC 4 TX	ms 0431 WCB5 2 SC	KWGN 2 CO
KNAZ 2 AZ	0439 WCB5 2 SC	1200 KRCN 4 CO 740
WWAY 3 NC		KRMA 6 CO 740

Western TV-DX

November 1989

Frank Merrill (continued)

22 Es 1246 KTVQ 2 MT	27 tr 0419 K23CI 23 IA 120	2 tr cont unid channel 63+
1300 KCWC 4 WY	(Ottumwa KCCI-8)	(CCI to WIIB-63)
1313 KOTA 3 SD	0530 WUPW 36 OH	1936 WLLA 64 MI 300
1316 KVBC 3 NV	WPTA 21 IN	(See Note # 2)
1500 WEDU 3 FL	WKJG 33 IN	2044 WBKB 11 MI 480
WPBT 2 FL	WTTK 29 IN	(Rare)
1631 WSTM 3 NY	("Local")	2110 CBLFT8 61 ON
1638 WABI 5 ME	KITN 29 MN	2135 WTOT 4 MI
WCAX 3 VT	("Hvy CCI")	(See Note # 3)
1700 CBOT 4 ON	28 tr 0200 K25DE 25 IA 120	2215 WBAY 2 WI
CBFT 2 PQ	(Ottumwa KDSM-17)	WNMU 13 MI
1800 KTVK 3 AZ	Es 1149 KAVE 6 NM	WJMN 3 MI
1830 KDBC 4 TX	1200 KDBC 4 TX	(All three rare)
KENW 3 NM	KENW 3 NM	WFRV 5 WI
1831 XEJ 5 CH	unid ch 2 XEW	2219 CBLFT9 53 ON 505
1909 XHRIO 2 TA	KACV 2 TX	CBLFT10 48 ON
2055 KMID 2 TX	1459 KNME 5 NM	2222 WKEF 22 OH
2100 KDBC 4 TX	KOB 4 NM	(Over WMEC-22)
KACV 2 TX	KNMZ 2 NM	2229 WFMU 28 MI
2115 KOB 4 NM	1929 KTVQ 2 MT	2255 WSFJ 51 OH
2200 KXTX 5 TX 730	1950 CBKT 4 SK	W46AD 46 MI
2230 El Paso area	CKCK 2 SK	(Traverse Cty WCML- 6)
(No ID's)	2100 CFCN 4 AB	WCML 42 ON
23 Es 1030 KENW 3 NM	29 tr 0505 unid ch 45 TBN	CKCO3 21 MI
KOB 4 NM	(East of south)	CBLN 40 ON
KNME 5 NM	Detroit UHF's	(CCI w/WHMB-40)
1230 KREG 3 CO	WEYI 25 MI	2300 WCMH 6 MI 480
("KREX")	0522 CBFT 54 ON	(See Note # 4)
1256 KNMZ 2 NM	0541 WUAB 43 OH	2312 CICO59 59 ON
1300 KSL 5 UT	Es 2134 CITT 4 AB 1180	WKBD 50 MI
1310 KOAA 5 CO 750	2151 CKSA 2 AB	(Both snow free)
24 Es 1730 KMOL 4 TX	CKCK 2 SK	2317 CBLFT17 68 ON
WBTV 3 NC	2200 CFSK 4 SK	2328 WBGU 27 OH
2047 XEJ 5 CH	30 ms 0450 WCB5 2 SC	3 tr 0016 CICO28 28 ON 550
2100 KENW 3 NM	(Several times)	0019 CBLN2 34 ON 430
KDBC 4 TX	0456 WESH 2 FL 956	CBLN 40 ON
2216 KWGN 2 CO	(Several times)	0046 WXYZ 7 MI
2224 KOAA 5 CO	0506 KPRC 2 TX 800	0426 WTOL 11 OH
2230 KNMZ 2 NM	Es 1844 KUTV 2 UT	WUPW 36 OH
2300 KNME 5 NM	31 Es 1100 KENW 3 NM	WVIZ 25 OH
KOB 4 NM	KDBC 4 TX	WKBN 27 OH
2314 KCNC 4 CO	KAVE 6 NM	WPGH 53 PA
2321 KREG 3 CO	1118 KOB 4 NM	0445 WUAB 43 OH
2346 KTVQ 2 MT	1139 KNAZ 2 AZ	0510 WTVJ 9 OH
25 Es 0030 WLBZ 2 ME	(See Note # 1)	WJW 8 OH
0035 WCB5 2 PQ	1800 XHY 3 YU rare	0524 WBNX 55 OH
0041 WCBFT 2 PQ	1958 WEDU 3 FL	WQHS 61 OH
0043 unid ch 4+ PQ?	2000 WCB5 2 SC	WQAC 67 OH
("T.Q.S.")	WDIQ 2 AL	0532 WQLN 54 PA
0900 WPBT 2 FL	August 1989	WNWO 24 OH
1019 KIDY 6 TX 900	2 tr 1900-1940	0548 WTLW 44 OH
1029 WUNC 4 NC	WQAC 67 OH	Es 1130 WPBT 2 FL
1043 WCB5 2 NC	WUTV 29 NY	WESH 2 FL
1049 KAVE 6 NM	WNYBt 49 NY	WEDU 3 FL
1059 WUND 2 NC	(A real mess!)	WTVJ 4 FL
1106 KJAC 4 TX	Cleveland UHF's	WUFT 5 FL
1116 KACB 3 TX	WLIO 35 OH	WCIW 6 FL
1120 WWAY 3 NC	WAQP 49 MI	1200 WCTV 6 GA 800
1128 KGBT 4 TX	WEAO 49 OH	4 Es 0930 KGBT 4 TX
1200 KIII 3 TX	W65BT 65 WI	0935 KREG 3 CO
27 tr 0200 KMCI 38 KS	(Milwaukee WCIU-26)	KCNC 4 CO
(Snow free)	W69BT 69 IN	0947 KWGN 2 CO
	(South Bend WCIU-26)	0953 KREZt 6 CO
		0956 KOAA 5 CO

Note # 1 - 07/31 @ 1139 - This is the second time I've seen KNAZ-2 advertising KMOH-6 in Kingman. I have never even seen suspected CCI from them, and I haven't noticed anybody else reporting them. Is this another case like K54DB (Madison, Wisconsin LPTV) calling itself WSSM? It seems like I saw a coverage map in one of the ads though, so this probably is a "real"

Frank Merrill (continued)

station. (KMOH-6 is a full service independent station which came on the air on February 26, 1988. They are owned by the same company which owns KNAZ-2. Reported loggings have indeed been few, but I note that Dave Pomeroy reported KMOH-6 on June 25, 1988 and Jeff Kruszka reported them on June 26, 1988. fm)

- Note # 2 - 08/02 @ 1936 - Bottom of screen, along with the "800" prayer number, had a local chiron saying "CBM Phone 616-345-5423." Kalamazoo is in 616 area. (And 345 is the prefix of WLLA's main telephone number. fm)
- Note # 3 - 08/02 @ 2135 - "+" offset. Saw ads for Dairy Queen and Yesterday, Today, Tomorrow (whatever that is!), then NBC. If I can find out that these were local spots, I will be able to count it. They haven't replied.
- Note # 4 - 08/02 @ 2300 - Audio was noted quite readable; this was a sign-off for the entire WCMU-14 network. Total video hash with nothing readable. I thought this station impossible! It was even extraordinarily rare in Ohio, at only 240 miles. WTOM-4 was even rarer.

Hi, all. I hope that everybody got in on the great E skip during July. I understand there was a great opening I missed on July 4, but it may have had little effect here anyway.

I am again considering getting an ICOM R-7000, seeing that Jeff Kadet is getting daily 500 mile UHF reception with his.

I counted up the number of 1989 dates on which I've ID'ed the more common E skip stations and the perennial champ wins again! The results: Channel 2 - WPBT (16 dates), KNAZ (10 dates); Channel 3 - WEDU/KENW (both 9 dates); Channel 4 - KDBC (11 dates), KGBT (7 dates); Channel 5 - WPTV/KNME/XEJ (each 4 dates); and Channel 6 - KAVE (3 dates) and WCIX (2 dates). This could be added to slightly if there's any late fall E skip. However, I may be out of town. 73.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216

CDT

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

Here's some of the DX I saw during the super terrific tropo sessions in September. I haven't seen it this good in about fifteen years.

September 1989

15 tr 2123	KAWB 22 MN	16 tr 2300	KMCIt 38 KS	17 tr 2111	WTJR 16 IL
	KSAX 42 MN 374	2308	KDORT 17 OK	2245	KBVot 42 TX
	KVRRt 15(MN)	0410	WBNS 10 OH 395		(Jimmy Swaggart)
	K58CMT 58 MN	0755	WDRB 41(IN) 437	18 tr 0520	WXIX 19(OH) 400
	(Duluth TBN)		WCET 48 OH 400		WDKY 56 KY
	K26Act 26 MN	0950	KDNL 32 MO 432		WCET 48 OH
	(Bemidji KVRR-15)		KHBSt 40(OK)	0623	KOZK 21 MO 589
	WOSU 34 OH 395		KNLC 24 MO 432		KDEB 27 MO 589
	W48APT 48 OH		WLKYt 32(IN)		KSPR 33 MO 589
	(Toledo LPTV)		WKPC 15(IN) 437		KHBS 40(OK) 734
16 tr 2057	KDNL 30 MO 432	1821	WNEO 45 OH 405	0630	Had to leave
	KNLC 24 MO 432	1826	WPGH 53 PA 480	1820	WCET 48 OH 400
	KOZK 21 MO 589		WQEX 16 PA 480		WKON 52 KY 437
	KDEB 27 MO 589	1858	CBLN1 56 ON		WXIX 19(OH) 400
	KSPR 33 MO 589		Other CBLN's in		WIII 64 OH 400
	KSNF 16 MO	2011	CIII41t 41 ON	1859	WCVN 54 KY 407
	KHOGt 29 AR		KSHB 41 MO 525	2023	KTKA 49 KS
	KSHB 41 MO 525		KZKC 62 MO 525		(Snow free)
2114	KHBS 40(OK) 734	2019	KHBS 40(OK) 734		KYFct 50 MO
	WQPT 24 IL		KOZK 21 MO 589		KZKC 62 MO 525
	KPOMt 24 AR		2111 KSPR 33 MO 589		KSHB 41 MO 525
2208	KYFC 50 MO 525		("KSPR-33 - Cable 8")		KHBS 40(OK) 734
	KZKC 62 MO 525		KDEB 27 MO 589		(Still in!)
2240	W51Aft 51 IL		KSNft 16 MO		KMCI 38 KS strg
			KHOGt 29 AR		(Under WPNE-38)

Western TV-DX

November 1989

William Draeb (Continued)

18 tr 2023	KSNF 16 MO	19 tr 0330	KARD 14 LA 877	20 tr 2035	KHBS 40(OK) 734
2135	KPTM 42 NE 471		=KSNF 16 MO		(Snow free-2207)
2139	KXTxt 39 TX		KWHbt 47 OK		KDEBt 27 MO
	(Under WQRF-39)	0400	KDOR 17 OK TBN		WNEO 45 OH 405
	Springfield MO	0544	OKWKT 44 TX 1041		WPGH 53 PA 480
	UHF's		OKSPR 33 MO 589	2052	CICA51 51 ON 374
2149	KSASt 24 KS	0552	OKHBS 40(OK) 734		WUTV 29 NY 445
2156	KGMC 34 OK 820	0555	KOZK 21 MO 589		WNYB 49 NY 445
	(Snow free-2300)		OKSNF 16 MO		(Abv 3 snowfree)
	KAUT 43 OK 820		KHTVt 39 TX		CBLN1t 56 ON
	(Snow free-2248)	0600	(Under WQRF-39)	2213	WOAC 67 OH 395
	KSBIt 52 OK		KXLN 45 TX 1133	2217	KHOGt 29 AR
	KTAJt 16 MO		(See Note)		KWHbt 47 OK
2253	KDTXt 58 TX		KDNL 30 MO 432		KSNft 16 MO
2300	(Under WDJT-58)	0628	KNCI 46 TX 1055	21 tr 0555	&CIVO 30 PQ
	KTBO 14 OK 820	1146	KOZK-21, KGMC-34		("Radio Quebec")
	(TBN-local tel#)		KHBS-40, KSHB-41	0609	CFMT 47 ON 410
	KTAJ 16 MO		still in, but	0612	CIVT 24 PQ
	KNLJ 25 MO		much weaker.		WNPET 16 NY
	KPTM 42 NE 471	2154	WUSI 16 IL 402	0622	WNPt 18 NY
	KAUT 43 OK 820		KCCI 8 IA	0623	CFJpt 35 PQ
	KGMC 34 OK 820		KDIN 11 IA		WCFE 57 NY
	KSASt 24 KS		(Under WLUK-11)		(Last seen in
	KTXA 21 TX	20 tr 2035	KOZK 21 MO 589		mid 70's)
	(Home Shopping Club)		KSPR 33 MO 589		CITYt 57 ON
			KNLC 24 MO 432	0628	WVNYt 22 VT
			KDNL 30 MO 432	24 tr 2048	WCET 48 OH 400

Note - 09/19 @ 0600 - KXLN-45 logging - Three city ID, "Houston - Galveston - Rosenberg", Univision network, all Spanish. My farthest tropo catch.

Too long since I last had an opening like this. I hope we get more of the same, soon!

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604) 537-5201

PDT

Equipment:

Hitachi 5" black & white AC/DC (vintage 1980), Kenwood RZ-1 receiver, Sony Beta Hi-Fi MTS VCR, channel 6 trap (xtal). VHF - Lindsay GA-10 FM 10 element wide-spaced FM yagi on Alliance U-110 rotator at 57' (at sea level on the ocean front). UHF - Radio Shack 4-bay with 15-1108 adjustable gain mast-mount VHF/UHF preamp at 45'.

August 1989

5 tr 0843	KNDU 25 WA	18 Es 2047	unid channel 2	23 AE 2030	KDUH 4 NE
	KVEW 42 WA		(Under CBut-2)		2110 KMTV 3 NE
0902	KCKA 15 WA	2059	KNAZ 2 AZ	2117	KDLO 3 SD
6 Es 1743	CCI on chs 2-4	2100	KOB 4 NM	2122	unid channel 3
	(Briefly)		(See Note # 2)		(See Note # 3)
1952	unid 3 NBC 80°	2200	KTVK 2 AZ	2124-2134	MUF to FM
1957	CBWFT 3 MB		fade/out	2142	unid 3 ABC 100°
2000	CBKMT 4 SK	tr ????	WA chs 35,42,47	2145	unid channel 2
tr 2049	KCKA 15 WA	20 tr 0650-0852		2147	KLNE 3 NE
	CBUT2 3 BC		WA chs 15 and 25	2151	unid ch 3 PBS
2059	CBUT1 9 BC rare	Es 1723	MUF ch 3 briefly	2200	KMTV 3 NE
Es 2112	unid ch 3 CBS	22 tr 0722	unid ch 61 weak	2217	unid ch 2 100°
8 Es 2016	CCI on chs 2-4	Es 1844-1916		2228	KDLO 3 SD
tr	(See Note # 1)		MUF ch 3 weakly	2234	unid 2 CBS 100°
9 ms many	"pings" all night	23 AE 1811	CBWFT 3 MB		(See Note # 4)
11 ms many	"pings" - no ID's	1815	CBKMT 4 SK	24 AE 1909	MUF channel 4
17 Es 1911	CCI on chs 2-3		KLBY 4 KS	1920	unid ch 4 CBS
	1915 KTVS 3 CO	1817	KPRY 4 SD	1927	KDLO 3 SD
	1918 KSNW 3 KS		KSWK 3 KS	1943	fade/out
	1932 KCNC 4 CO	1820	KOTA 3 SD	2002	MUF ch 2 briefly
	(MUF below FM)		(MUF to 92 MHz)	27 tr 1928	KCKA 15 WA
1938	fade/out	1918	KIMT 3 IA		(Snow free)
2119-2122	CCI on ch 3	1924	unid channel 3	28 au	Visible all nite
(Very weak)		2000	KDLO 3 SD		Heavy CCI chs2-4
18 Es 2039	KTVK 3 AZ	2012	KMTV 3 NE		
		2016	KTIV 4 IA		

See next page for September

Mike Cherry (continued)

September 1989

9 tr 1724 KUTF 32 OR	9 tr 1949 KAPP 35 WA	9 tr 2211 KCKA 15 WA
9 tr 1842 CBUT3 4 BC rare	1956 CBUT25 36 BC	10 tr 1902 KUTF 32 OR
	2117 KUTF 32 OR	1932 CBUT25 36 BC

Note # 1 - 08/08 @ evng - Super enhancement of signal levels centered only on the Seattle-Tacoma area and south central Washington with signal levels rarely seen here. KTZZ-22 and KAPP-35 snow free. Full stereo on Washington FM's from central state.

Note # 2 - 08/18 @ 2114 - E skip very weak after 2114. MUF to 91.1 fade/out at 2129. Returned at 2157.

Note # 3 - 08/23 @ 2122 - Has KMTV-3 switched to CBS? If not, then this is a unid. (KMTV is indeed CBS since 1986, but is network all you have to use for an ID? fm)

Note # 4 - 08/23 @ 2234 - This unid on channel 2 (in stereo) had end of Pat Sajak Show, CBS logo, straight into "Adderly" with no local ID. Central Daylight Time. Help? Also, when reviewing back on VCR I caught a unid from Oklahoma with a news promo about "panhandle road conditions and state funding." Don't know how this got in there. MUF hovered around channel 4 very weakly to fade/out at 2312 - CCI was in all night.

That about wraps it up for this report. I'll check in this fall if the tropes are hot. I hope we get a better E skip season this winter than the summer. Also, I wish everyone here on the Pacific coast best of luck with trans-oceanic F2!! 73's

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401

CDT

Here is my TV-DX report for August 16 through September 15. But first, I have an unpleasant duty to perform. I'm afraid I must erase the June 19 logging of KTVQ-2, Billings, Montana. That was really my old friend KTVQ-3, Kirksville, Missouri. A combination of tropo and E skip at the same time, an out-of-tune TV set and a new KTVQ logo just plain fooled me.

Here is how things went this month (no relogs under 150 miles) (log at 110):

August 1989	23 Es 1945	unid channel 2	23 Es 2218	KWGN 2 CO 785
18 tr 0816 KDSMT 17 IA		(Blue Jays BB)	2302 KUTV 2 UT 1136	
0828 WTTK 29 IN 235	2004	unid 2 CBS MDT	(State # 20)	
0834 WHMB 40 IN 231	2015	CKND2 2 MB 796	24 Es 1852 WSTM 3 NY 744	
WCLJ 42 IN 247		(Province # 5)	1854 WKTV 2 NY 804	
0837 unid ch 45 HSN	2043	KNAZt 2 AZ		
0842 WTTB 63 IN 247	2103	unid 2 NBC MDT	September 1989	
0853 WSNSt 44 IL	2130	KTWO 2 WY 828	11 tr 0700 WNDU 16 IN 221	
0918 WCUI 26 IL 155		(State # 19)	0723 WSJV 28 IN 222	
Es 1000 WEDUT 3 FL	2139	KGWL 5 WY 950	0741 WHME 46 IN 223	

The E skip this August was a sight for my very sore eyes. After going zero for June and seeing things die down after the first half of July, I figured that was about it for this season. Glad to be wrong.

I hope someone is able to re-start the CCI column real soon. Often, editors have to drop columns because of work loads or other vicissitudes of life; and both column and editor leave a gap. I've considered doing the CCI feature myself, but I'm afraid I'd make a botch of it. Well, we'll see. God bless and 73.

(Chris, go ahead and volunteer for a CCI column. I'm sure you would do fine. fm)

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228-2744

CST

Equipment:

1987 RCA model EMR 350E 13" color, Archer V-100 and 8 bay bow-tie UHF array at 20 feet with rotor.

August 1989	2 tr 2209	WLPB 27 LA	4 Es 0726	WWAY 3 NC
1 Es 1058 WEDU 3 FL		KLTL 18 LA	0758 WKYC 3 OH	
1957 KOTA 3 SD	3 Es 0931	KMTV 3 NE	0913 WBTW 3 NC	
2 Es 1600 WBTW 3 NC	0957	KTCA 2 MN	2116 WAVE 3(IN)	
tr 1957 KLFY 10 LA	1029	XHBC 3 BN	5 Es 2127 WTW2 2 IN	
2114 KPLC 7 LA	1444	KDLO 3 SD	6 tr 0021 KLFY 10 LA	
2126 WFLA 33 LA		KDLH 3 MN	0115 KADN 15 LA	

Pat Dyer (continued)

6 Es 0957 KDLO 3 SD	18 Es 1012 WDTN 2 OH	29 Es 1957 WWAY 3 NC
0959 KUSD 2 SD	1334 WKYC 3 OH	1959 WSB 2 GA
1158 KIMT 3 IA	1528 WFMY 2 NC	2029 WSAZ 3 WV
14 tr 0359 KBMT 12 TX	1529 WUND 2 NC	2030 WESH 2 FL
Es 2017 XETV 6 BN	20 tr 0118 KLFY 10 LA	2110 WBTW 3 NC
15 Es 1932 KTWO 2 WY	Es 0214 KADN 15 LA	30 Es 1618 WBTW 3 NC
18 Es 0829 WBTW 3 NC	23 Es 1029 WSIL 3 IL	
1012 WAVE 3(IN)	26 tr 0107 KBMT 12 TX	September 1989
	0119 KLFY 10 LA	12 tr 1628 KVDA 60 TX 1oc

A fairly good August E skip showing, but it sure did die out in September! Some early October tropo (due to the high 90's here) will be in the next report.

Had word about some mid-September ducting from Illinois down here, but it must have been another of those "elevated" things (like November 1986) that never reached the surface level at this end.

I've just managed to "transplant" the VHF/UHF tuners from my 1976 9" black and white into the 1980 one. Luckily they both used 18 volts, but the AGC levels aren't compatible, so it has been left "floating."

The 1976 VHF unit had always seemed to have been more sensitive than the 1980 one, but the UHF was pretty much the opposite. It looks like the 1980 VHF item needs an RF amplifier transistor replaced (though I did manage to "fix" the poor contacts on the turret tuner strips for channels 2 and 3 by just adding a thin layer of solder to them!).

73, Pat, W5IYX

Dave Sinclair, 6565 Brooks Street, Vancouver BC V5S 3J6

PDT

Equipment:

Archer antennas: 15-8227 (VU 210 U.S.) on Channel Master Crown rotor 5 feet above roof. UHF model U-120 10 feet above roof. Archer amplifier model 15-1113, adj. 10-20 dB. Both mounted on separate chimneys (straps). Electro-home VCR VHS, Sony colour TV model KV1215, Philips converter model CT3600 which has separate inputs for cable, VHF and UHF, stereo.

July 1989

6 Es 2030 KCRA 3 CA 757	11 Es 1130 KTVK 3 AZ 1231	August 1989
7 Es 1930 XHBC 3 BN 1210	14 tr 1300 KBSP 22 OR 288	1 Es 1759 KCRA 3 CA 757
8 tr 0645 KATU 2 OR 252	(Over KTZZ-22)	1830 KRON 4 CA 789
Es 1400 KRON 4 CA 789	15 tr 0630 KATU 2 OR 252	September 1989
(Over KOMO-4)	20 tr 0643 KATU 2 OR 252	2 tr 2351 KUTV 32 OR 288
1830 KEYT 3 CA 1024	25 Es 1100 KTVK 3 AZ 1231	16 tr 0830 KUTV 32 OR 288
	28 Es 2230 KIMT 3 IA 1579	17 tr 0600 KATU 2 OR 252

Channel 2 received after CBUT-2, Vancouver, signed off. Channel 3 received over CBUT-2 rebroadcaster at Chilliwack, British Columbia, 56 miles east, 590 Watts erp. July was a good month for DX; not much in August and September.

I received the Channel Master band separator model 7207 from Ed Frye. This works considerably better than the Radio Shack VHF-UHF separator. However, the UHF reception is considerably better on the U-120 UHF only than on the new 15-8227 all channel VHF/UHF. This all-channel has considerable compromise on UHF.

Nathanial Ely, 3810 Sycamore Avenue, Madison WI 53714

CDT

Equipment:

UHF - Modified Channel Master 7' parabolic, AC-4990 preamplifier, .412 hard line, Zenith System III. VHF - 10 element channel 2-6 yagi.

September 1989

16 tr 0108 CBLN 40 ON 410	18 tr 0013 KDEB 27 KS 446	18 tr 0254 KARD 14 LA 774
0122 WUAB 43 OH 409	0028 KPOH 24 AR 568	0259 KETH 14 TX 992
0143 WOIO 19 OH 409	KHOG 29 AR 548	0304 KTXH 20 TX 992
0155 CIII41 41 ON 503	0043 KTBO 14 OK 675	0305 KXTX 39 TX 834
0231 KSAS 24 KS 562	0048 KAUT 43 OK 674	0429 KXXV 25 TX 920
0537 WNEB 17 NY 528	KOKH 25 OK 676	???? KKLX 31 LA 814
17 tr 2332 KETK 56 TX 827	0059 KSNF 16 MO 496	???? KHBS 40(OK) 621
(Thanks J Kadet)	0146 KDTX 58 TX 834	0800 KXIN 45 TX 995
2342 KHSS 49 TX 834	0129 KXAN 36 TX 995	0808 KLMG 51 TX 806
2345 KSPR 33 MO 446	0145 KWHB 47 OK 591	0811 KHSH 67 TX 993
18 tr 0003 KMCI 38 KS 422	0154 KVVU 24 TX 996	Later...still
	0234 KDPI 27 TX 834	booming

Jeff Kadet (continued)

20 tr 0100-0645 (See Note # 2)
 0302 KTBC 7+ TX (CBS Nightwatch)
 1848 CBLN4 45 ON
 2028 CITY 57 ON 620
 21 tr 0000-0645 (See Note # 3)
 0242 St. James US 315
 K48AH 48 MN 395
 (Willmar KMSP- 9)
 WBMG 42 AL 527
 0345 KERA 13 TX 640
 28 tr 0300 CITY2 31 ON 525
 TVot 51z ON tone
 CBLN5t 20- ON
 (Open carrier)
 &CBLFT10 48 ON455
 0400 &CKC03 42 ON 455
 CITY 57 ON 620

19 tr 0300 K67CV 67 NE 320
 (Lincoln Ch America)
 0345 K40-- 40 MN 222
 (Unknown KITT-29)
 0406 K30AE 30 OK 500
 (Alva w/WHO -13)
 (Also KWHB video on 31
 via K46AH)
 (Normal KETA-13)
 St. James US 315
 0435 KHOU 11 TX 800
 KLTV 7 TX 602
 W57AR 57 WI
 (Sayner WSAW- 7)
 0830 K55FL 55 IA 290
 (Spencer KMEG-14)
 (WRSP-55 off)

Note # 1 - 09/19 from 0000-0700 - Relogs of KARD-14, KETH-14, KHTV-39, KMSS-33, KETK-56, KHSB-67, KXLN-45, KLTJ-22, KFWO-52, KTMD-48, KTVT-11, KTRK-13, KTXH-20, KDTX-58, KXXV-25, KDAF-33, KLMG-51, KABB-29, KWKT-44, and KNCT-46.

Note # 2 - 09/20 from 0100-0645 - Relogs of KETH-14, KLTJ-22, KHTV-39, KHSB-67, KTXH-20, KABB-29, KDAF-33, KXLN-45, KXTX-39, KTXA-21, KWKT-44, and KTMD-48.

Note # 3 - 09/21 from 0000-0645 - Relogs of KLTJ-22, KTXH-20, KTEH-14, KTVT-11, KXLN-45, KHSX-49, KTXA-21, KARD-14, KXTX-39, KHTV-39, and KDFI-27.

unid TBN loggings: Channel 43 - heading just west of Little Rock
 Channel 45 - heading to Lincoln-Omaha
 Channel 66 - heading just east of Ft. Smith, Arkansas

Some terrific Texas and Gulf tropo this month. Of 27 Texans seen, all but 4 hit color at one time or another.

Having not seen a TV-DX review of the ICOM R7000, here are my observations on it. For comparison, I'm using a Zenith N1310 13" color set. Frank Merrill and I believe the L through N series of 1310's (1979 through 1982) to be the most sensitive and selective TV sets we have used. Compared to the Zenith, the ICOM is impressive on audio, mediocre on video. On FM wide, the Zenith has the audio edge in sensitivity, but in FM narrow, stations are readable on the ICOM which are nonexistent on the Zenith. Sometimes the audio is a little distorted, but nobody ever said the front lines of TV-DX combat would be a picnic. Traces of Home Shopping on Oklahoma City channel 34 (501 miles) and channel 61 Cleveland (473 miles) will usually pop in daily, though this may just be seasonal.

The video adapter is a disappointment as a DX tool. In color, both are equal in sensitivity, but once a station fades into black and white, it vanishes into a black background on the ICOM.

The ICOM is better handling adjacent channel interference. The KADN-15 logged on September 3rd was impossible on the Zenith due to WTJR-16's channel 15 spurious signal, but on the ICOM the audio was in the clear. But in the case of local WMEC-22/Peoria overload, if I point the antenna right at them I get less garbage on the Zenith.

The R7000 allows you to TV-DX at the molecular level. Readout is accurate to 100 Hz so it is easy to determine the exact frequency by zero beating the video carrier which is AM. I've checked about 200 stations and all of the full powered ones were accurate to within 500 Hz of their exact offsets except for these six: WMBD-31 off by 700 Hz, KDUB-40 off by 2.0 kHz, KOCR-28 off by 2.5 kHz, WMSN-47 off by 1.6 kHz, CITY-57 off by 900 Hz, WGVK-52 off by 8.0 kHz (68.0 kHz).

Translator CCI on video is easy to spot and it's obvious why when measuring their frequencies. With 40.0 kHz equaling exact minus offset, 50.0 kHz equaling exact zero offset, and 60.0 kHz equaling exact plus offset, here are some measured translator frequencies: K58BX - 61.6 kHz, K44AA - 48.5 kHz, W28AI - 44.2 kHz, K33AA - 41.0 kHz, W57AR - 36.5 kHz, W57AO - 44.3 kHz, K54AF - 67.5 kHz, K32AF - 36.5 kHz, K48AA - 54.8 kHz, and W65B- 58.8 kHz.

The R7000 has the ability to "see" behind a stronger station. The WGNO-26 logging on September 17th is an example. On video, I had local KJMH-26's all night test pattern (with open carrier on audio) and skinny lines behind it. On the R7000, in FM narrow those skinny lines "became" clear WGNO audio. The K48AH logging on September 21st is another

Nathaniel Ely (continued)

19 tr 1138 KRRt 35 TX
 20 tr 0325-0553 All TX, OK, MO, and LA stations still booming!
 2000 WOIO 19 OH 409
 WUAB 43 OH 409
 2045 KGMC 34 OK 675
 2105 KHNE 29 NE 475
 KXNet 19 NE
 2138 WBNX 55 OH 416
 2213 CBLN 40 ON 410
 2215 WADL 38 MI 310
 2228 WGRB 34 KY

18 tr 2145 KTKA 49 KS 440
 2306 KFWO 52 TX 834
 19 tr 0020 =KWKT 44 TX 920
 0210 KTXA 21 TX 834
 0400 KLTJ 22 TX 994
 0433 KRIV 26 TX 992
 0450 KDOR 17 OK
 0509 KDAF 33 TX 834
 0535 KMSS 33 LA 760
 0859 KSBT 52 OK 675
 0923 KABB 29 TX 1073
 0948 KOKI 23 OK 591
 1114 KNCT 46 TX

20 tr 2320 WCAY 30 TN 490
 Texas & Oklahoma resurfacing
 21 tr 0049 CICO19 19 ON 471
 0229 WMKW 30 TN 548
 (Weak)
 0426 WXTV 15 MS 655
 0536 WZTV 17 TN 490
 0550 KAVU 25 TX 1064
 30 tr 0617 CBLNt 56 ON
 0618 CITY 57 ON 503
 0635 CBLN4 45 ON 415
 0656 CFMT 47 ON 503
 0704 WSFJ 51 OH 420

The 16th through the 20th was the best period of sustained long-haul DX that I've ever encountered. I've tried to eliminate relogs for this report. Night after night, Houston and Dallas stations rolled in. After a few nights of DX like this you get pretty tired. Thank heavens I was on vacation and didn't have to go to work!

I'm in the process of putting up a second DMX-68 tower. I'll be using the Jerrold VIP-307 Deep Fringe VHF antenna. I used a 307 in the early 70's and I've always remembered how well it worked. Of interest are the FM blocking elements.

Verified for last month: WMTT-28, Cookeville, Tennessee. They carry shop-at-home all night and do not ID.

Jeff Kadet, Box 20, Macomb IL 61455 (309)-833-1809

CDT

Equipment: See September 1989 Western TV-DX

September 1989
 3 tr 0050 WCOV 20 AL 611
 0100 WTTT 21 AL 527
 WHLT 22 MS 645
 0237 WXYT 15 MS 469
 0346 WXXV 25 MS 677
 KARD 14 LA 583
 0349 WPMI 15 AL 700
 0446 KVTN 25 AR 410
 0504 WVTM 13 AL 526
 0528 WBMG 42 AL 527
 0623 WDBD 40 MS 565
 1900 WIII 41 AL 580
 1906 WCAJ 68 AL 528
 1922 WDSI 61 TN 467
 WTCI 45 TN 467
 WMAA 29 MS 569
 WWSB 27 MS 468
 WMAO 23 MS 489
 2051 WTKA 11 MS 572
 WVLA 33 LA 700
 4 tr 0002 KLAX 31 LA 623
 0006 KVHP 29 LA 723
 0105 KPLC 7 LA 707
 0130 KITU 34 TX 733
 0224 unid ch 43 TBN
 (See comments)
 0245 KADN 15 LA 702
 0521 KLMG 51 TX 614
 0534 KFAA 51 AR 345
 0539 unid ch 66 TBN
 (See comments)
 0546 KETK 56 TX 650
 0630 KMSS 33 LA 567
 0635 KHSB 67 TX 799
 0711 KTMD 48 TX 820
 0803 KXLN 45 TX 825
 2226 WBMG 42 AL 527
 2242 WGNX 46 GA 576

4 tr 2242 WFLI 53 TN 492
 WDSI 61 TN 467
 2307 WJFB 66 TN 380
 (Weather Channl)
 5 tr 0135 =WKBN 27 OH 527
 0140 WPGH 53 PA 561
 WPTT 22 PA 576
 0147 WVIA 44 PA 775
 0158 WTAJ 10 PA 643
 0229 CKCO 13 ON 555
 0324 W54-- 54 ??
 (Unknown Family Ch)
 0400 WNEP 16 PA 776
 WYTV 33 OH 527
 WKBS 47 PA 630
 WFMJ 21 OH 527
 0452 MTVEt 51 PA
 15 tr 0730 CBLFT9 53 ON 511
 CBLN 40 ON 511
 0216 KARD 14 LA 583
 0252 WXXV 25 MS 677
 0300 KQSD 11 SD 577
 KTSO 10 SD 549
 0424 WGNO 26 LA 724
 0425 K33AA 33 IA 100
 (Ottumwa w/WJRT-12)
 (Normal KIIN-12)
 0435 WNOL 38 LA 725
 0520 KETH 14 TX 799
 KHTV 39 TX 799
 K28-- 28 ??
 (Unknown KAKE-10)
 0615 unid ch 45 TBN
 (See comments)
 0634 KMSS 33 LA 567
 2240 KETK 56 TX 650
 KHSB 67 TX 799
 KXLN 45 TX 825
 2329 KLTJ 22 TX 820

17 tr 2329 KFWO 52 TX 646
 KTMD 48 TX 820
 KETH 14 TX 799
 KTVT 11 TX 645
 18 tr 0225 KXAN 36 TX 806
 0226 KSHO 7 OK 616
 0236 KTRK 13 TX 799
 unid channel 49+
 (Home Shopping Spree)
 KHSX 49z TX 645
 (Home Shopping Club)
 0424 KHTV 39 TX 799
 (Unid color bar)
 KXTX 39 TX 645
 KTXA 21 TX 645
 KTXH 20 TX 799
 KDFI 27 TX 645
 KDTX 58 TX 645
 0426 CKCO 13 ON 555
 KXXV 25 TX 733
 0459 KDAF 33 TX 645
 WLUC 6 MI 431
 KKLAX 31 LA 623
 0523 KLMG 51 TX 614
 0529 KABB 29 TX 883
 0532 KMSS 33 LA 567
 KWKI 44 TX 731
 2355 KNCT 46 TX 761
 19 tr 0000-0700
 (See Note # 1)
 0146 KTVY 4 OK 501
 0300 K21AP 21 KS 300
 (Topeka TBN)
 K31BW 31 KS 325
 (Lawrence TBN)
 K39AJ 39 NE 320
 (Malcolm TBN)
 K45-- 45 ?? west
 (Unknown TBN)

Jeff Kadet (continued)

example. I was able to separate K48AH enough from K48AA (both 300+ miles in the same direction) to detect audio that was parallel to KMSP-9. 73.

(I think your TBN on channel 43 from west of Little Rock is the TBN owned K43CJ at Mountain Home. Channel 66 with TBN from east of Fort Smith may be K66CN at Harrison. I don't know that they are TBN, but the owner is Christians Incorporated for Christ. Your channel 28 with KAKE-10 would likely be K28AP, Neligh, Nebraska which is supposed to carry KOLN-10. KITN-29 on channel 40 was probably K40BR at Willmar. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61201

CDT

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1962 detent tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

September 1989

4 tr 0530 KARD 14 LA 651	18 tr 0325 KSNF 16 MO 413	19 tr 0520 KAKE 10 KS 498
0540 KLRT 16 AR 503	0545 KHBS 40 AR 513	0545 KWKT 44 TX 825
0545 KMSS 33 LA 681	2400 KTBO 14 OK 612	0555 KNCT 46 TX 863
0550 KHOG 29 AR 463	19 tr 0210 KWCH 12 KS 512	0600 K46AH 46 OK 554
0555 KPOW 24 AR 513	0300 KSAS 24 KS 498	(Medford KETA-13)
0730 KASN 38 AR 537	0345 KSNF 16 MO 413	2230 KARD 14 LA 651
0900 KVHP 29 LA 828	0400 KAUT 43 OK 612	20 tr 0315 KTBO 14 OK 612
18 tr 0150 WADL 38 MI 333	0428 KXXV 25 TX 825	21 tr 0320 KSNF 16 MO 413
0238 KTEH 10 OK 618	0445 KCEN 6 TX 858	0500 KSAX 42 MN 404
0250 KTXH 20 TX 893	0500 KETH 14 TX 893	27 tr 0445 WETO 39 TN 518
0305 KXTX 39 TX 738	0510 KTXH 20 TX 893	0450 WJHL 11 TN 526
	0512 KXLN 45 TX 919	0500 WSLJ 10 VA 583

My tentative channel 72 last month with WLUK-11 was W72AJ, Escanaba, Michigan. Bill Draeb gave me the information.

September was a record breaker with 900 mile tropo. September 4th reception was a narrow duct. All loggings except Lake Charles 29 were nearly snow free at times. No other reception beyond 300 miles.

September 18th included tropo from Oklahoma City to Houston. Tropo was out to 400 miles in other directions. This made DX'ing very difficult.

I received Houston channel 20 two nights in a row. They were with color bars and ID at least from 0250-0510. A good DX target. They have a microscopic ID, but distinctive logo. I identified them the next night as their signal was much better.

September 19th offered the longest tropo. Spanish speaking channel 45 in Rosenberg, Texas and channel 6 in Temple, Texas being the most distant UHF and low band respectively. I didn't think 850 mile plus low band tropo was possible from here. A front divided Texas ending in Oklahoma. Reception was east and north of it. There were many units. Some believed to be more distant than anything logged. Waco channel 25 took out a weaker 25. I first thought it was local Peoria 25 signing on. Most stations had little snow at times. No DX in other directions.

Ironically, I was using a new UHF tuner for the first time. Was I impressed! The tuner was out of a 70's Magnavox model MF5131 portable black and white. On further examination, it's gain was no better than what I'd been using. I've experimented with several UHF tuners recently. The Magnavox had the best detent mechanism and had the deluxe decade channel number indicator which is nice for DX'ing. It's notably different from other deluxe decade tuners, but it has image problems as the others. The best one in this respect is the one I'm now using. It is from a 1978 Zenith black and white portable - model J193W with a 175-1962 tuner. It has an inferior detent and channel indicator mechanism. None of them show any advantage in gain, but I'm using the Winegard PA4975 at the front end.

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CDT

Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Rembrandt VA133 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

August 1989

24 tr 2059 KAAS 18 KS 535	24 tr 2122 KSNT 27 KS 540	25 tr 0032 KCAU 9 IA 300
2100 KSAS 24 KS 630	2149 KHNE 29 NE 425	0041 KMCit 38 KS
2112 KXNE 19 NE 320	2151 KMNE 7 NE 340	0155 KCPT 19 MO 550
2120 KTKA 49 KS 545	2345 KPTM 42 NE 400	("Neptune AN")
	2351 KCAN 8 NE 365	0202 WDAF 4 MO 550

Fred McCormack (continued)

24 tr 0209 KSHB 41 MO 550	17 tr 0859 KGMC 34 OK 780	18 tr 0549 KAAL 6 MN 285
26 tr 2240 K21AK 21 MN 100	0916 KSPR 33 MO 695	0550 KUSD 2 SD 265
(Morris Starion)	1022 K35AL 35 NE 455	0551 KKYIN 24 IA 310
(Not scrambled!)	(Lexington KNOP-2)	0554 KKTIN 21 IA 305
	1034 K28AP 28 NE 340	0557 KKSIN 27 IA 300
	(Neligh KOLN-10)	0624 KHIN 36 IA 390
	1039 K65AT 65 NE 340	0627 KSPR 33 MO 695
	(Neligh KXNE-19)	0633 KDEB 27 MO 695
	1046 W55BG 55 SD 260	0650 KDSM 17 IA 385
	(Wagner KUSD-2)	0659 KXNE 19 NE 320
	1059 K39AL 39 NE 340	0730 KOZK 21 MO 695
	(Neligh KTIV-4)	0754 KPTM 42 NE 400
	1115 KMCI 38 KS 555	21 tr 2145 CBWAT 8 ON 225
	1120 KAUT 43 OK 780	2215 K69BT 69 MN 105
	1126 KHAS 5 NE 435	(Red Lake KTHI-11)
	(Under KDLT-5)	2218 K67BM 67 MN 105
	1143 KPTM 42 NE 400	(Red Lake KCCW-12)
	2155 KYIN 24 IA 310	2220 K65BN 65 MN 105
	KRIN 32 IA 395	(Red Lake WIRT-13)
	2159 KDSM 17 IA 385	(Possibly WDIO)
	2200 KCRG 9 IA 395	2225 K63CI 63 MN 105
	18 tr 0542 KTAJt 16 MO	(Red Lake WGN-9)
	0544 KCCI 8 IA 385	2257 K61CM 61 MN 105
	0546 K40CO 40 IA 305	(Red Lake KBRR-10)
	(Storm Lake KMEG-14)	(Possibly KVRR)

September 1989

1 tr 0912 KLJB 18(IL) 500	
5 tr 2240 KLJB 18(IL) 500	
6 tr 1957 KHIN 36 IA 390	
7 tr 0629 K39CH 39 MN 185	
(Redwood Falls RFD)	
15 au 0101 hvy hash chs 2-6	
16 tr 2248 KXNE 19 NE 320	
17 tr 0001 K3IN 27 IA 300	
0108 K22AK 22 ND 145	
(Devils Lake w/WCCO-4)	
(Normal KXJB-4)	
0127 KTIV 4 IA 300	
0133 KMEG 14 IA 300	
0805 KAAS 18 KS 535	
0828 KDSM 17 IA 385	
0830 KHIN 36 IA 390	
0856 KSAS 24 KS 630	
0857 KOKH 25 OK 785	

It was great to get in on some good tropo again. It looks like I was on the fringe of the extraordinary stuff, but it was fun nonetheless! The 17th marked only the second time that Oklahoma City has been seen here. With Oklahoma City in, you can be sure that I was straining for Dallas, but no such luck. On my last Oklahoma City opening (October 23, 1983), Dallas was seen, though not very well. I skipped a little work the morning of the 18th with Springfield, Missouri coming in. It was kind of tough watching tentative KTAJ-16 go unidentified again. The religious broadcast was being bothered by KDSO-16 and was obliterated by KVRR-15's adjacent channel interference when they signed on before 0600 (incidentally, KVRR-15 and the rest of the Red River Television group have abandoned their 24 hour operation). Around 0800, I decided the opening was going nowhere and left for my office. Perhaps I was wrong?

Now for a little on the road DX. I spent a couple of days in northern Michigan and noted the following from my second floor motel room in Iron Mountain using a Rembrandt VA133 tuner, Rhapsody TV-670 5" monitor/receiver, and a Radio Shack 15-623 UHF Double Bow Tie:

September 1989

29 tr 2252 WPNE 38 WI 97	30 tr 0657 W54AR 54 WI 18	<u>October 1989</u>
WXGZ 32 WI 101	(Fence WPNE-38)	1 tr 0700 WCGV 24 WI 189
WGBA 26 WI 101	0700 WCMW 21 MI 147	WVTV 18 WI 188
30 tr 0657 WTLJ 54 MI 224	0715 WVTV 18 WI 188	

At Felch, Michigan on September 30 at 0830, with the Rhapsody receiver (monopole antenna) inside my car, I noted WVTV-9 at 177 miles. At Escanaba, Michigan on October 1 at 0930 with the same setup, I noted WGTU-29 in good color at 121 miles.

I wonder if all of this was normal rabbit ear reception??

For you Iron Mountain translator fans, here was the line up while I was there:

W30AK WJMN-3	W59AQ WGN-9
W35AK WTBS-17	W63AW Family Channel
W43AN WDIW-4	W65BN TNN
K47AF The Movie Channel	W67AO WLUC-6
W56BF WGBA-26	K69BA The Disney Channel

Channels 43, 47, and 69 had scrambled video with clear audio when I arrived in Iron Mountain. The morning of September 30th, all channels were unscrambled and remained that way until I left on the morning of October 1. The channel 56 translator of WGBA-26 suffered severe CCI at times, presumably from Chicago. Recently granted channels 22 and 24 were not yet in operation.

NORTHERN FM-DX

FOR DXers in: CANADA, ME, VT, NH, MA, RI, CT, NY, PA, NJ, OH, MI, IN, IL, WI, MN, ND, SD, NE, IA, MT, WY, IA, WA, OR, AND AK.

NOVEMBER 1989

DEADLINE: THE FIRST

1000+ MILE TROPS HEARD IN THE MIDWEST!!

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOW 110

EQUIPMENT: Icom R7000, creative design CLP 5130-1, 25 element, log periodic at 28 feet, with rotator.

JULY 9 E-SKIP

1237 KUNC 91.5 CO Greeley, b
1243 KCFR 90.1 CO Denver, c
1245 KMOR 92.9 NE Scottsbluff, r, forest fire warnings, temperature was 105 degrees!
1303 KILI 90.1 SD Porcupine, k

JULY 9 TROPO

1509 WVPE 88.1 IN Elkhart, j
JULY 15 TROPO-SCATTER
0015 WDBM 88.9 MI East Lansing, r, The Impact
0059 WGNR 88.9 MI Grand Rapids, g, very weak w/WDBM

1930 WLWQ 96.3 OH Columbus, r, QFM-96

JULY 18 E-SKIP

1714 WAPI 94.5 AL Birmingham, r, I-95
1717 WZEW 92.1 AL Fairhope, "ZEW with the best record library in the Southeast"
1734 WBSN 89.1 LA New Orleans, g
1758 WMPB 90.1 MS Jackson, js
1759 WMAW 88.1 MS Meridian, PRM News
1800 WMAU 88.9 MS Bude, PRM News

JULY 18 TROPO-SCATTER

1824 WDJQ 92.5 OH Alliance, r, Q-92

JULY 21 Tr/TrS

1921 CPLY 98.3 ON Kingston, r, 98.3 Fly, good strong Trope
1929 CIGL 97.1 ON Belleville, ads, poor in jumble with WJOI and WREO.

1937 CFMK 96.3 ON Kingston, k, watch this one as can easily be confused with CFMX1 (as my Jan 28 logging in the March VUD). CFMX1 has Kingston ads.

JULY 22 E-SKIP

1331 KBLJ 93.3 CO La Junta, ads, \$
1336 KCFR 90.1 CO Denver, c
1340 KSPZ 92.9 CO Colorado Springs, r, much WBUF
1353 KCME 88.1 CO Manitou Springs, j
1356 KUVO 89.3 CO Denver, ID, m
1403 KWBI 91.1 CO Morrison, weather report

JULY 24 GW/TrS

0137(WKQY) 95.5 MI Detroit, r, Q-95-FM ex:WCZY (I thought it was WKQI. Is it really a "Y"?-gc)
0200 WRED 95.7 OH Gibsonburg, e, Italian program ID in EE and II (Italian-gc) at top of gour, new station

JULY 25 E-SKIP

0036 KPFT 90.1 TX Houston, j in briefly, only FM E-skip noted at the time.

JULY 26 METEOR SCATTER

1338 CHIQ 94.3 MB Winnipeg, "Winnipeg's Light rock choice....."

JULY 27 METEOR SCATTER

0216 KVIL 103.7 TX Dallas, "...on KVIL..."

JULY 28 METEOR SCATTER

0148 unID 103.7 ?? "The Rock of ????"
0214 KEYN 103.7 KS Wichita, "at KEYN", weak, prev Es
0259 KKYK 103.7 AR Little Rock, "on KKYK"
0302 WRUF 103.7 FL Gainesville, "Gainesville"

JULY 30 TROPO

0101 WELI 103.7 IN Bloomington, j good til 0200 s/off mean WFM? WFYR is on 103.5-gc
0115 WTLG 105.7 IN Indianapolis, rs, Power 105
0157 WXTZ 103.3 IN Indianapolis, b
0201 WAJC 104.5 IN Indianapolis, j, mentioned "non-commercial jazz all night"
0245 WBTU 93.3 IN Kendallville, ID, k

JULY 30 METEOR SCATTER

0301 WSOC 103.7 NC Charlotte, "..... WSOC, WSOC-FM...", prev Es

JULY 31 METEOR SCATTER

0301 KEYN 103.7 KS Wichita, "in Wichita, KEYN Power 104"

JULY 31 E-SKIP

1958 KCFR 90.1 CO Denver, c
2000 KWBI 91.1 CO Morrison, g
2006 KILI 90.1 SD Porcupine, e, American Indian program
2043 KPFT 90.1 TX Houston, taking phone requests for Spanish music

JULY 31 TROPO-SCATTER

0247 WNDU 92.9 IN South Bend, ads

AUGUST 1 M.S.

0116 WSOC 103.7 NC Charlotte, "...WSOC FM 103..."

AUGUST 3 TROPO

0048 WJCH 91.9 IL Joliet, g, very strong Good indicator station here for tropes to west as is WMBI 90.1

0050 WKLB 96.5 WI Milwaukee, r
0051 WAZY 96.5 IN Lafayette, k w/WKLH
0124 WTPI 107.9 IN Indianapolis, mb
0125 WAJC 104.5 IN Indianapolis, j
0136 WVIK 90.1 IL Rock Island, j w/WMBI
0140 WFLI 103.7 IN Bloomington, b
0315 WZEW 103.7 WI Wauwatosa, b, EZ104
0429 WBVE 96.5 OH Hamilton, k Beaver 96 and a half.

0435 WOJO 105.1 IL Evanston, Spanish
0444 WMBI 106.9 IN Marion, m, FM107
0516 WCCQ 98.3 IL Crest Hill, k
0639 WBZE 91.5 IL Chicago, m
0641 WJKL 94.3 IL Elgin, m
0647(WTMX) 101.9 IL Skokie, r ex:WCLR ID "The New Mix 102"

0643 WTCM 103.5 MI Traverse City, ID seldom heard
0644 WLUM 102.1 WI Milwaukee, taking telephone calls, Hot 102

0651 WJUN 99.5 IL Chicago, k, US-99
0652 WJLT 93.9 IL Chicago, r, Light FM
0653 WJMK 104.3 IL Chicago, Magic 104
0656 (WXEZ) 100.3 IL Chicago, ex: WLOO
0657 WNUA 95.5 IL Chicago, contest promo
0659 WGRD 97.9 MI Grand Rapids, rs, ID same format as co-channel WJLB.

0702 WBZT 103.1 IN Huntington, news // WOWO 1190 (Is this now WOWO-FM?-gc)
0717 WJLY 103.9 IN Crown Pt., Joy 104
0726 (WAJI) 95.1 IN Fort Wayne, ads, Magic 95.1 ID, ex: WPTH
0728 WCSY 98.3 MI Grand Haven, gave "Cosy" Marine Forecast

0730 WFYR 98.7 IL Chicago, c (Do you mean WFM? WFYR is on 103.5-gc)
0731 WQXC 100.9 MI Osego, nx report
0732 WNSN 101.5 IN South Bend, "Sunny"
0733 WKQX 101.1 IL Chicago, Q101, traffic
0737 WLJE 105.5 IN Valparaiso, k, 105.5 Country IDs

NORTHERN FM-DX

JEFF FALCONER'S REPORT continued

AUGUST 3 TROPO

0739 WCKG 105.9 IL Elmwood Park, mentioned "CKG Classic Album Exchange"
0740 WLNR 106.3 IL Lansing, s, "Chicagolands Soft Touch station"
0800 WKVI 99.3 IN Knox, weather report, ID
AUGUST 3 E-SKIP
1438 KNLE 88.1 TX Round Rock, wx rpt, only 700 watts at 16 meters height.

(Ed note: This report and William Wyllie's report made it on time for last month but were misplaced. Sorry, William and Jeff.-gc)
Well after a few weeks with no Es it has come back! August 3 was a banner day with a nice trop opening in the early morning hours and an Es opening in the afternoon. Looking forward to some MS during the Perseids.

WILLIAM WYLLIE-95 PECK STREET-FRANKLIN, MA 02038-2217

EQUIPMENT: Franklin, Mass: REALISTIC MODULAIRE 2200 with indoor built in antenna. Prudence, Rhode Island: FISHER Model 418 with built in antenna

MAY 30 E-SKIP

1737 KWTO 98.7 MO Springfield, Ozarks only hit music station, Top 9 at 9.
1740 WHOP 98.7 KY Hopkinsville, country mx
1745 KIMO 98.9 MO Kennett, ID & Country mx
1800 KTUX 98.9 TX Carthage, Tux 99

JULY 4 E-SKIP

1900 WMPB 90.1 MS Jackson
1900 WYVS 90.1 GA Waycross, Peach State Public Radio
2000 WRKE 89.3 LA Baton Rouge

JULY 5 E-SKIP

1914 KKOK 95.7 MN Morris, KMRS/KKOK ID

JULY 7 E-SKIP

1755 WMBI 90.1 IL Chicago, news
1845 WJGA 91.7 GA Athens, Peach State P.R.
1900 WMBV 91.9 AL Dixons Mills, Moody B.Net

JULY 9 E-SKIP

0937 WJSP 88.1 GA Warm Springs/Columbus Peach State Public Radio
1030 WBOB 88.7 OH Batavia
1108 WJIE 88.5 KY Okalona, religious
1200 KSNR 88.9 MN Collegeville
1200 WQJB 88.9 WI Hayward
1300 KKDL 95.1 MN Detroit Lakes, Country 95
1230 WGLT 89.1 IL Normal
1245 WNUR 89.3 IL Evanston
1345 KQWB 98.7 MN Moorehead, Q-98

(Note: May 30th was logged at Franklin, Mass., as well as July 18, 24, 25, and August 1. William DXed from Prudence Island, RI July 4-9, and August 4th-gc)

MORRIS SORENSEN-BOX 422-PORT CARLING, ONTARIO P0B 1J0

RECEIVER: Sony ICF-2010

ANTENNA: Archer (Radio Shack) FM rabbit ears

JULY 24 TROPO

2246 WREO 97.1 OH Ashtabula, WREO 97.1 ID, contest promo
2253 CFMK 96.3 ON Kingston, Blue Jays Baseball

AUGUST 28 TROPO

2158 CJOQ 104.3 ON Sault Ste Marie, country, Broadcast news. sports, into program called "Just Call It Country/Folk" ID as "Q-Country"
2238 WJML 98.9 MI Petoskey, contemporary hits/oldies mix, ID as "99 JML keeping you in touch with Northern Michigan", local ads.

"Not Much Time For DXing lately!" 73. Morris Sorensen

STATION NEWS: WXXM 98.9 Upper Arlington (Columbus), Ohio is on the air with lite rock, and "Mix". WKSD 99.7 from the Van Wert area. WFPG 96.9 in Atlantic City, New Jersey has switched from easy listening to lite rock. WRCH in New Britain, Conn. did the same.

NOVEMBER 1989

AUGUST 3 E-SKIP

1448 (KBTS) 93.3 TX Killeen, r, B93 ex: KIXS
1502 KERA 90.1 TX Dallas, stock rpt, ID
1521 KFST 94.3 TX Stockton, k, weather rpt
1530 KNTU 88.1 TX Denton, traffic report

AUGUST 4 E-SKIP

1737 CBAF29 88.1 PEI Charlottetown, FF talk program, province number 5.
1739 CBAF26 88.5 NB Moncton, // CBAF29
1759 WHCF 88.5 ME Bangor, ID, nx, State #32

AUGUST 18 E-SKIP

2019 WAYJ 88.7 FL Ft. Myers, WAY-FM
2030 WRMB 89.3 FL Boynton Beach, religious

AUGUST 24 TROPO

0105 WCLZ 98.9 ME Brunswick
0055 WHEB 100.3 NH Portsmouth, over WOTB
0108 WPOR 101.9 ME Portland, country
0110 WTHH 102.9 ME Portland, rock
0118 WWTG 97.9 ME Portland, rock, G-98
0134 WKOS 96.7 NH Rochester, "KOST" ID
0139 WZID 95.7 NH Manchester, easy listening Bright 95.7

JULY 25 TROPO

2100 WYVZ 92.5 CT Waterbury, country mx over WLYT Haverhill/Boston

AUGUST 1 E-SKIP AND TROPS

1815 WRMB 89.3 FL Boynton Beach, religious
1842 WMGX 93.1 ME Portland, "Magic 93" "Portland's Only Classic Rock"

1923 WCDQ 92.1 ME Sanford, "92-CDQ" from "The Mountain of Music" IDs

2010 WKCG 101.3 ME Augusta, "K-101", cntry
2153 WERZ 107.1 NH Exeter, Top 10 at 10, battling WFHN.

AUGUST 4 E-SKIP AND TROPS

1855 CFTI 92.1 ON Timmins, came in for one minute, then gone. First positive Canadian!
1858 WLNG 92.1 NY Sag Harbor, rock, fady
1905 WMEA 90.1 ME Portland, public radio

BILL MEHAJADLY 93 HIGHLAND AVE. CLIFTON, NJ 07011

AUGUST 14 Morning tropo, Central PA. good, **August 18:** Yes, Yes I know, Super Es in the Morning &#@\$@*! I missed it! **August 23 and 24:** E-skip MUFD to 3 & 4 on TV, **August 29:** Aurora noted around 2130; no IDs though one area DXer had Brewers Baseball on 93.7. **September 6 & 7:** Very strong tropo PA, NJ, CT and DE adjacents from 2330 to 0200. **September 14:** 0045 Very good tropo all around PA Adjacents, Allentown and Hartford and WMJV 105.5 over WDHA 105.5. WPLR 99.1 over WAWZ - WOBM 92.7 over WDRE 92.7 - WSBG 93.5 Stroudsburg PA 93.5 thru WRTN 93.5! and WFMZ 100.7 thru WHUD and new WDAQ 98.3 CT Danbury over strong WKJY! New England Super on UHF-FM so so meaning UHF was even stronger, and FM was good! WDAQ 98.3 using 98Q non ID "semi-lame". Some stations so common on trop now I won't even mention them (Philly and Atlantic City for example).

TUNER REVIEW: Recently I had a chance to test out the Yamaha TX900 tuner. Bill Kretchner came here with his tuner on a visit. We hooked it up to the Antennacraft CFM6 FM antenna and here 12 miles from NYC we got the Philly adjacents, some Hartford's and previously impossible frequencies like 100.5, 100.9, 105.3, and 98.1. WWRX 103.7 RI, WRCH 100.4, WHLM 106.5, WRQX 107.3 heard with minimal to moderate interference from locals. Yamaha has super narrow, fine tuning like 92.890! It has preset's. db readout scale and most incredible is the price: \$400! I am seriously thinking of getting one! Also not long ago we tried out Carver TX-11 here; kind of disappointing. Way too much QRM adjacent from NYC locals. The Carver suffered from not having super narrow. But it is quite good for E-skip though, current Carver price is \$450. Tried out a Luxman 117 model in a store; quite a poor machine for \$600 with no super narrow. So yes, there is another "DX machine" out there and it is the Yamaha, but it didn't get anything on 97.3 or 94.9 and there was some splatter but definitely outperformed the Carver. I wonder if the "DC Guys" would benefit from this tuner, probably! **GOOD DXing, Bill**

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONN. 06082

Equipment: Carver TX-11 with Stereo Probe 9 at 30' with rotor. New underlined; new mode with broken underline.

JULY 18 E-SKIP

2015 Miami area good: WLVE 93.9, WZTA 94.9, WLYF, WQBA 107.5, WHYI 100.7, WSHS 103.5
WEAT 104.3, WMCU 89.7, and WCMQ 92.3
2043 WSEF 90.1 FL Fort Myers // WUSF
2046 WAYJ 88.7 FL Fort Myers, g
2048 WUSF 89.7 FL Tampa
2100 WMFO 92.9 FL Ocala
2102 WJIS 88.1 Bradenton, "Joy 88"
2119 WKES 101.5 FL St. Petersburg, g
2124 WYGC 100.9 FL Gainesville, "GC-101"

AUGUST 9 TROPO

0907 WFXR 93.5 MA Harwichport, "Fox 93.5"

AUGUST 18 E-SKIP

0816 KRRV 100.3 LA Alexandria
0816 KYKR 93.3 TX Port Arthur, "Kicker"
0818 KQXY 94.1 TX Beaumont, "Y-94"
0828 KAFX 95.5 TX Diboll, "K-Fox", r
0838 KSMB 94.5 LA Alexandria
0838 KTUX 98.9 TX Carthage, "Tux 99"
0843 KBHT 93.5 TX Crockett, r
0901 WQUE 93.3 LA New Orleans, "Q-93"

COMMENTS: Looking for a Probe 9? The Probe 9 is listed in the Sears catalogue for \$60.00. Order it through the catalogue and pick up at your nearest Sears. That's how I got mine. I thank my wife for discovering this (Thank you Mike (and thank your wife) for that tip; I bet some will greatly benefit from this info!-gc)....A loud complaint about the lack of tropo this summer. Lack of rain is not our problem this year! Tropo seems to be on the rise in Sept. I'm looking forward to some good midwest tropo....I now have my FM log completely computerized on the 64C. When I first started DXing here in 1974 I started using two logs-one by freq and one by date. During July and August I finally combined these logs into one, finding many mistakes as I went along. The end result is that my number of stations is up to 1486 because of sloppy record keeping. That's all. Hope DX is good to you this fall. - Mike

Hot tropo reach some DXers in August and September.
See your DX columns for more details.

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner - Stereo Probe 9 Antenna 37 ft. above ground

September 1989

4 tr
0041 KMJX 105.1 AR Conway-Little Rock, 520
"Magic-105," ada for Little Rock, r\$
0122 KOYN 93.9 TX Paris, k\$, 719
Previous MS
0155 KHLT 94.1 AR Little Rock, mr\$ 532
(o/WHIX 94.1 IL Mount Vernon)
0200 KEZQ 100.3 AR Jacksonville-
Little Rock, b\$ 524
0232 KRRV 100.3 LA Alexandria, k\$, wx, 730
"K Double RV"
9 tr
0200 WVPQ 90.3 WV Parkersburg, c\$ 213
(WACL 90.3 IN Fort Wayne, off air)
0230 WOTL 90.3 OH Toledo, g\$, on air 139
(u/WFOF 90.3 IN Covington)
12 tr
0000 WKSD 99.7 OH Paulding-Van Wert, 85
(Class A - new to air), "Kiss-99.7," r\$
14 MS
0809 KMXR 93.9 TX Corpus Christi 1098
17 tr
2337 WLTE 102.9 MN Minneapolis-
(ex-WCCO) mr\$ St. Paul, "Lite-103"
18 tr
0018 KJJO 104.1 MN St. Louis Park, rp\$ 522
"Rock-104, the twin cities rockin' best,"
(WLBC off Monday mornings for two hours)
0124 WJJO 98.1 MN St. Cloud, k\$ 578
"98-Country," calls, central lakes f-ball
0155 KQRS 92.5 MN Golden Valley- 520
rp\$, "KQ-92," Minneapolis-St. Paul
(The signals to MN were very strong!)

18 tr (cont'd)
0200 WCTS 100.3 MN Minneapolis-
St. Paul, g\$ 518
(u/WXEZ 100.3 IL Chicago)
0220 WOZZ 93.5 WI New London, r\$ 347
"The Land of OZ"
0300 WMQT 107.5 MI Ishpeming-Iron 465
Mountain-Houghton-Escanaba-Marquette r\$
0330 WGNV 88.5 WI Milladore, g\$ 386
(o/WUUB 88.5 OH Oxford)
0355 WAVC 105.1 MN Duluth- 566
"Country-105," Superior WI, k\$
(W030 105.1 IL Evanston, off air)
0400 KQDS 94.9 MN Duluth- 566
Superior WI, r\$
19 MS
0855 KOYN 93.9 TX Paris 719
20 tr!!
0000 KIXQ 93.9 MO Webb City-Neosho-533
Carthage-Joplin, k\$
0310 KMXR 93.9 TX Corpus Christi, 1098
(Yes, by tr!)
Previous Es/MS
28 MS
1222 KOYN 93.9 TX Paris 719
29 tr
0100 WMMX 98.9 OH Upper Arlington- 125
Columbus, r\$
(o/WBYR 98.9 OH Van Wert-Ft. Wayne)
October 1989
1 GW
2230 WHZR 103.7 IN Royal Center, r\$, 68
"Hoosier-103," ID equipment testing
2 MS
1528 KILQ 93.9 GO GO Springs 1040

Meteor Scatter Results:

9/14 KMXR "...93.9 KMXR..."
9/19 KOYN "...Jerry Cole's Fina and Whole-
sale Tire - a mile and a half on the loop
on Highway 82 east of Paris - open..."
9/28 KOYN "...This is KOYN..."
10/2 KILQ "...live via satellite, you can
start calling with your questions at 8:30
p.m. The number is toll free-1-800-344-
ROCK. It's Elton and Bernie tonight on
Kilo's rock line. Spring's forecast -
partly cloudy, breezy, cool, some low
clouds and fog developing tonight con-
tinuing through tomorrow morning. Low
tonight about 35..."

Frank Merrill, Macomb, IL, telephoned Sept. 19th to inform me that he and Jeff Kadet were receiving fantastic TV and FM reception from as far south as Texas, Louisiana, and other "far out" locations by tr! Nate Ely and Bill Draeb of Wisconsin were also receiving this unusual and most welcomed reception. Unfortunately, there was little here. Andy Bolin, Charleston, IL, found the FM band to be dead at the time. The only unusual logging by tr I found was KMXR 93.9 Corpus Christi, TX with calls given. This is not a record, but 1098 miles is my most distant tr catch. My previous record was 836 miles to Orlando, FL - WDI2 100.3. Hopefully others found outstanding September reception.

As you can see from my report, two good days in September were noticed here. The 4th to Arkansas, Louisiana, and Texas was nice. Minnesota, Wisconsin, and Upper Michigan found on the 18th was interesting. This is the first time I've heard Duluth by tr.

A few new Ohio stations have been noticed as new to the airwaves. The only new IN station was giving ID's while testing equipment. WHZR 103.7, a class A in Royal Center, IN has a r\$ oldies format like so many FM's these days. What fad do you suppose will be with us after this one dies out? More later! 73-Ralph

AUGUST 5 TROPO-SCATTER

2203 KPBX 91.1 WA Spokane, NPR
2203 KMBI 107.9 WA Spokane, g prog.
AUGUST 8 TR-SC ALL NITE (NOTE #1)
K211AP 90.1 WA Centralia // KPLU 88.5
cve KSVR with full quieting \$5
K276AD 103.1 WA Shelton, //KSEA100.7 KC101
KMNT1 102.9 WA Centralia, ad, k music assumed
2204 KATS 94.5 WA Yakima, regular TrS
2208 KPQ 102.1 WA Wenatchee, Q-102, CHR
2208 KFFM 107.3 WA Yakima, CHR, regular Tr
AUGUST 8 M.S.
2134 unid 91.1 (beam 110'), urban mx \$
2147 KMGW 94.5 WY Casper, prev Es (1980)
"in Casper, when all..."
2153 KKEZ 94.5 IA Fort Dodge, "Dealers in
Ames, Fort..."

AUGUST 9-11 M.S.

many pings, longest 14 seconds on FM, tentative
KBLX 102.9 CA, KNFT 102.9 NM, KVMF 94.5 UT
(local refs), KBUL 98.1 NV over KING-FM.

AUGUST 13 TROPS-SCATTER

1625 KOIR 90.7 ID Twin Falls, g (Nice catch-gc)
1625 KCIX 105.9 ID Boise, "K106" and ad
1625 KFFM 107.3 WA Yakima, FM107, CHR

NOTE #1: As reported to Western TV DX there was an unusually strong local tropo (duct, perhaps?) centered on the Seattle-Tacoma and Central Southern WA. Even the weak ones, KVTI 90.9, KSVR 90.1, KCMU 90.3 and others came in full quieting no matter which way the beam was pointed. The FMs from Centralia plus xltres are very rare. All TV stations were the same with many TV/FM IDs recorded. Is this the wave guide effect as theorized by Frank Merrill in last month's WTVDX column? I've never experienced tropo like that before! (It sounds like the tropo was so intense that those stations, in effect, became "locals" during the opening-gc). To wrap up, Summer 1989 has been a drag as far as Es goes, but am gearing up for some F2 openings this fall, winter and spring. WWV recently announced the solar flux was 305 (!!!). During the last sunspot cycle, I definitely IDed 92.3 and 96.3 from Hawaii and have a tentative on JOBK 88.1 Osaka, and JOCU 88.7 Nagoya (Japan-gc) so will keep a vigil with the beam between 210 and 310. Maybe December Es will be better than this past summer. I have met Dave Sinclair and Gord Lansdell, both club members from Vancouver, so will keep an alert system for unusual skip. Until later

FRANK MERRILL - BOX 669 - MACOMB, ILLINOIS 61455

EQUIPMENT: Macintosh MR78 tuner, separate Channel Master Stereo Probe 9
yagis at 8 and 48 feet, with A/B switch.

JULY 18 E-SKIP

1957 WFKZ 103.1 FL Plantation Key Largo, 1200
1957 WSHE 103.5 FL Ft.Lauderdale
1959 WCTQ 92.1 FL Venice
1959 WFTL 91.7 FL St.Petersburg, ID 990
1959 WHQS 90.3 FL Haines City, ID 970
2001 WCOQ 98.3 FL Immokalee, Cool-FM 1100
2004 WXCOR 92.5 FL Safety Harbor
2004 WKZY 92.1 FL LaBelle, WKZY, Cozy 1130
2010 WOQJ 100.1 FL Hooah Acres, classic
rock and roll, 107.1 WOOJ 1130
2018 WAFB 106.3 FL Clewiston, PSA, calls 1130
2020 WHOT 105.1 FL Coral Gables
2029 WSRZ 106.3 FL Sarasota
2036 WHS 107.1 FL Key West
2041 Cuba 90.3 (relog?) HELP! Does anybody
have a list of Cuban FMs. I have logged six from
Ohio and here, and I can't get information.

2044 Cuba 100.7 relog

2047 WRBA 95.9 FL Springfield, bumper

JULY 19 TROPO

0140 (WJEQ 102.7 IL Macomb off the air.
Committed to tape K274AA-IA (Elridge-gc).
WVAZ-IL, WEGR-TN, WPFR-IN before 0200

JULY 20 E-SKIP

2045 KSEV 96.1 OR Ontario, ad foe Gentrys in
Ontario. Called station to verify. State #43 1360 was 40 by July 24!

AUGUST 18 E-SKIP

2044 KANW 89.1 NM Albuquerque, rap, lcl refs
2051 unID 91.1 blues music, 80 deg beam
2059 KSJN 91.1 MN M'npls, ID, concert pgm
2105 MUF returns to 70 Mhz until 2220.
AUGUST 23 E-SKIP
1853 KZNA 90.5 and KZNA 91.1 in //
These I regularly can use for Midwest U.S. DX
1858 WOJ 90.1 IA Ames, ID, c, over lcl KSVR
1903 MUF to LO-TV, back to FM 2124
2126 KDSD 90.9 SD Aberdeen, c, ID, full qting\$
2129 KIOS 91.5 NE Omaha, Omaha ment, c
2130 KWTI 90.3 IA Sioux City, ID, c music
2132 KUSD 89.7 SD Vermillion ID state netwkr
jazz, full quieting \$
2247 unID 89.7 folk music to Southeast MUF
down to 75 Mhz, out after 2214.

AUGUST 28 AURORA

all evening, heavy noise on TV-LO/FM Only IDs:
2217 unID 90.7 CBC (beam ENE)
2230 CBX 90.9 AB Edmonton, CBC Stereo, Alberta
2242 CFMC 95.1 SK Saskatoon, local PSA.
2300 CFMM 99.1 SK Prince Albert, Power 99 ID

AUGUST 29 TROPO-SCATTER

0818 KPBX 91.1 WA Spokane, Morning Edition
0820 KPQ 102.1 WA Wenatchee, Q-102

JULY 22 E-SKIP

1106 KRYT 107.9 CO Pueblo, calls 750
1107 KGCR 107.7 KS Goodland, calls, etc 560
1116 KBOM 106.7 NM Los Alamos, Spanish
calls and jingle 950
1117 KCSJ 107.1 CO Pueblo, call jingle 750
1119 KMYO 104.5 NM Bloomfield, PSA 1050
1121 KTRA 102.1 NM Farmington, lcl ad 1060
1122 KVLE 102.3 CO Gunnison, KVLE temp 900
1124 KKCS 101.9 CO Colo. Sps., calls 750
1129 KBYU 89.1 UT Provo
1133 KAZY 106.7 CO Denver, "KAZY's..." 750
1135 KRXV 107.5 CO Lakewood, KDVR-31
ad, Y-108 slogan, etc. 750
1137 KIKX 102.7 CO Manitou Sps, Kicks, a
real shocker with WJEQ at 25000 Watts and
1 1/4 miles away!, I never expected to log
another station on this frequency. Actually a
little bit under WJEQ but virtually equal to
them, so MR78 wasn't full capturing WJEQ!
1146 KKDD 107.1 CO Brush, "KD-107" 670
1148 KEKB 99.9 CO Fruita, jingle, and
promo with call letters. 970
1149 KZMC 105.3 NE McCook, ad, wx 530
1151 KUAD 99.1 CO Windsor, legal ID, only
CO I had ever heard before today, Colorado total
1152 KREX 103.5 CO Denver, local ads 750

JULY 22 E-SKIP cont

1153 KYGQ 98.5 CO Denver, local temp, calls 750
1154 KNGG 104.7 CO Sterling, ad, NE CO wx 680
1157 KOID 93.1 CO Grand Jct., CT40 promo 970
1158 KTCL 93.3 CO Ft.Collins, F.Collins ad 750
1158 KZYR 103.1 CO Avon, ad, contest calls 850
1159 KVOD 99.5 CO Denver, legal ID 750
1201 KOSI 101.1 CO Denver, legal ID 750
1204 KMTS 92.7 CO Glenwood Spr, local ad 850
1205 KMJL 100.3 CO Denver, Light Rock
100.3, KMJL Denver... 750
1208 KOKS 104.3 CO Longmont, KS104 promo 750
1212 KBQC 97.3 CO Pueblo, calls 750
1215 KBMH 93.5 CO Leadville "K-Rocky Mountain
High" 850
1220 KHHH 94.7 CO Boulder, "K-High-94.7 FM,
94.7 The Wave, Denver..." 750
1227 KBRE 94.9 UT Cedar City, Sheriffs alert
(Cedar City area), ROCK HITS 95, WHY DO SO
MANY STATIONS STILL AVOID DIGITAL SLOGANS?
(Perhaps in a rural area such as this not many
people have digital tuners, and there are not many
stations on the dial anyway to be confused with-gc)
1231 KCGY/KYCS 95.1 WY both
1239 KOMP 92.3 NV Las Vegas, weak with calls
1251 both 93.1, 93.9 Riverton, WY
2116 KRST 92.3 NM Albuquerque
2121 KCIL 107.5 LA Houma, Waterland USA of
Houma, side-scat? nothing else in this area
in (maybe a separate weaker cloud, which was
drowned out by the more westerly cloud on all
frequencies except this ?-gc)
2128 KAFF 92.9 AZ Flagstaff
2129 KRFM 96.5 AZ Show Low
2130 KKOR 94.5 NM Gallup, PSA 1050
2134 KVNA 97.5 AZ Flagstaff
2138 KLZK 98.3 TX Farwell, classic hits 98.3
and calls heard twice 770

JULY 23 E-SKIP

1008 KLCY 94.1 UT Salt Lake
1034 KLSK 104.1 NM Santa Fe, phone no. 1000
1040 KIVA 105.1 NM Santa Fe, "The Beach,
I-25 in Montana, if its going on in NM..." 1000
1046 KNYN 95.5 NM Santa Fe, "Country music
is back at the High Mesa with NM's own
South by Southwest" 1000
1050 KMYI 107.1 NM Armijo 1030
1054 KFMG 107.9 NM Albuquerque,
KAMX/KFMG ID, "Solid Rock 108" slogan 1030
1056 KKBK 98.5 NM Los Alamos, legal ID with
Santa Fe and Albuquerque 1010
1111 KSLV 95.3 CO Monta Vista, calls heard 950
1121 KISE 91.1 ID Idaho Falls, weather with
Idaho Fls, Pocatellom and Blackfoot temps 1150
1129 KRSJ 100.5 CO Durango, weather 1050
1131 KVNA 97.5 AZ Flagstaff
1132 KCCY 97.9 CO Pueblo, countdown promo 750
1133 KTRA 102.1 NM Farmington, with calls
1135 KSPZ 92.9 CO Colorado Springs, wx 750
1136 KRWV 92.9 NM Farmington, The Choice
of the San Juan Basin, FM 93, The Crown 1050
1139 KKEM 96.5 CO Colorado Sps, ads 750
1150 KILQ 93.9 CO Colo. Sps, ads and legal ID,
"Colorado's home of great rock and roll" 750
1159 KJOL 90.3 CO Grand Junction, legal ID 1000
1159 KVEE 92.3 CO Grand Junction, legal ID for
92.3 and AM 1100 1000
1200 KRCL 90.9 UT Salt Lake City
1201 KCPX 98.7 UT Salt Lake City

JULY 23 E-SKIP cont

1205 KPRN 89.5 CO Grand Jct., weather, TC, 1000
legal ID with lotsa KOPN-MO CCI
1217 KPRN 107.9 UT Roy, rodeo spot, 1080
1218 KYCS 95.1 WY Rock Springs
1331 KRDO 95.1 CO Colo.Sps, cls, wx 750
1335 KOME 88.7 CO Manitou Sps, PSA,
soon resumed classical music 760
1353 KRAI 93.7 CO Craig, legal ID in
break of Casey Top 40 countdown 980

JULY 24 E-SKIP

2102 XHH 100.7 CH Ciudad Juarez, ID:
"transmitiendo desde... estudio en Ciudad
Juarez, Chihuahua, Mexico" 1110
2234 KRTN 94.3 NM Raton, wx, time 900
2243 KUVO 89.3 CO Denver, promo for
Gibson Jazz Festival on KUVO tomorrow 750
2310 KRST 92.3 NM Albuquerque
2316 KVUU 99.9 CO Pueblo, K-View 99.9 750
2334 KANW 89.1 NM Albuquerque

JULY 25 E-SKIP

THIS ES BEST ON TALL TOWER
1103 KRIS 92.1 TX Seabrook, legal ID
after classical selection, no fading! 820
1121 KHQS TX Sonora, ads, local temp 930
1128 XHEC 91.9 CL (??-gc)
1141 KJNL 92.7 TX Eagle Pass, ads, calls
92.7 on your digital radio dial, FM 93 970
1146 XHTA 94.5 CL Piedras Negras, SS ad 970
1158 XHSG 99.9 CL Piedras Negras, local
ads including one in ENGLISH, legal ID 970
1207 KHEE 94.3 TX Crystal City, SS news
, MONO, local Carrizo Sps/C.C. mentions 950
1210 XHRE 107.9 CL Piedras Negras, legal
ID in Spanish after FRANTIC jabbering 970
1216 XHMP 95.5 CU Torreón
1236 XHPE 97.1 CU Torreón, ad

JULY 28 E-SKIP

1211 KAMZ 93.1 TX El Paso

JULY 29 TROPO

0459 WPHN 90.5 MI Gaylord, legal ID with
WOLW 91.1, with mailing address, etc 420
0548 WCUZ 101.3 MI Grand Rapids, Re:TIGERS
"we followed the doubleheader yesterday, on
CUZ-AM that is"

JULY 31 E-SKIP

1100 KALP 92.7 TX Alpine, beautiful legal ID
1103 KNFM 92.3 TX El Paso, "...NFM" jingle
(Drat, could be KJUN-FM)
1111 KKOBB 93.3 NM Albuquerque
1116 KMYI 107.1 NM Armijo
1121 KIDI 103.3 NM Albuquerque, Kidi FM
in Spanish 1030
1129 KGLX 99.1 NM Gallup, calls 1150
1129 KBOM 106.7 NM
1135 KLSK 104.1 NM
1141 KQNM 93.7 NM Gallup, "New Mexico
and Northern AZ, KQ-93" 1150

AUGUST 2 INTENSE TROPO!

1923 WZZP 103.9 IN South Bend, Zip104 250
1927 WHME 103.1 IN South Bend, cellular one
ad, White Sox?!, Format change from g? 250
1940 WNSN 101.5 IN South Bend, Michiana
ad, DEAD AIR!, then Sunny WxWatch 250
1945 WBSW 107.3 IN Warsaw, ads, Cubs 300
1953 WTCM 103.5 MI
954 WLDR 101.9 MI Traverse City, Sunny
FM, WLDR, and local PSA 390
2000 WPHN 90.5 MI Gaylord, strong!

GOT DX? REPORT IT TO THE VUD!!!

AUGUST 3 SUPER TROPO

0000 WKCC 98.1 MI Saginaw 420
2043 WOOD 105.7 MI Grand Rapids, WoodFM 320
2046 WMBI 106.9 IN Marion, John Denver song
calls tough, barely audible under WSWT. 300
2053 WIOG 102.5 MI Bay City, ads, jingle 420
2057 WUGN 99.7 MI Midland, New from IMS.
Then Michigan News. Not WIMI 400
2100 WIAA 88.3 MI Interlochen, Interlochen
Public Radio, followed by a legal ID 380
2108 WYXX 96.1 MI Holland, We're WYXX 310
2111 WRUP 103.3 MI Marquette
2116 WDUZ 98.5 WI Green Bay, full ID
2117 WRQT 100.1 MI Bear Lake, THRU WKAI!
r, DJ talking after song, then gave calls 360
2128 WKVI 99.3 IN Knox, local ads, completely
knocked WDUK off the dial 240
2133 WLTO 103.9 MI Harbor Sps., promo ID,
bragging about now 50,000 watts; must now be
an upgrade to 25 kw h & v 400
2134 WMBN 96.3 MI Petoskey, wx, calls, EZ96 400
2148 WHFB 99.9 MI Benton Hbr., calls,
request show with NYLONS "Drift Away" at #2!! 240
2151 WJML 98.9 MI Petoskey, 99-JML, promo 400
2203 WBLV 90.3 MI Twin Lake
2205 WNMU 90.1 MI Marquette, Upper MI wx,
legal ID at 2206. TOUGH frequency! 450
2211 WMGV 103.9 WI Oshkosh, c/s, Magic 104 320
2226 WMUS 106.9 MI Muskegon, 107MUS is
106.9 FM and mention of County Fair. 330
2242 WEWZ 107.1 IN Elwood, local ads, wx
EZ101 - Central Indiana's Good Music station 300
2300 WAIH 92.5 MI Atlanta, long legal ID 450
2307 WOMC 104.3 MI Detroit
2309 WRIF 101.1 MI Detroit, calls, rock&roll 405
2317 WUPS 98.5 MI Houghton Lake, Chicago mx 410
2322 WZPL 99.5 IN Greenfield, rare due to WQCY
2354 WCRZ 107.9 MI Flint, "You can't buy bedding
of this quality anywhere else in Flint." 420
2020 WKJE 92.9 MI Cadillac, ad for sale
on M66 N. of Marion, 92.9 KJF, Tigers spons. 380
0000 WHNN 96.1 MI Bay City 420
0014 WCML 91.7 MI Alpena, CMU Public Radio 475
0027 WHSB 107.7 MI Alpena, "Your leader HSB" 475
0042 WGRD 97.9 MI Grand Rapids, calls, (?-gc) 320
0048 WCMU 89.5 MI Mt. Pleasant, // 91.7 WCML 410
0120 WQRS 105.1 MI Detroit, Mozart, legal ID 405
0128 WJOL 97.1 MI Detroit, "We're Detroit's FM.
WJOL, W-Joy, then Detroit weather and ID 405
0416 WWWW 106.7 MI Detroit
0423 WDJQ 92.5 OH Alliance, WDJQ news, etc. 500
0449 WKSU 89.7 OH Kent, WKSU's Morning
Edition, promo for OHIO PORTFOLIO on WKSU 490
0457 WIOF 98.1 OH Canton, lgl ID w/Akron, weak 480
0501 WHBC 94.1 OH Canton, ID
0559 WIMT 102.1 OH Lima, ad for dealer in Celina 340
AUGUST 3 E-SKIP
1139 WKQS 99.9 FL Boca Raton, 99.9 Kiss FM 1100
1142 WKTK 98.5 FL Crystal River, Florida'
best summertime Music KTK" 920
1146 WTHM 98.3 FL Goulds, Coral Gables ad in SS 1200
(I believe this ones calls are now WAQL-gc)
1151 WQBA 107.5 FL Miami
1155 WQYK 99.5 FL Tampa, ad, Quickscan weather 990
1204 WFCE 88.9 FL Tarpon Springs, calls/address 970
1204 WQCS 88.9 FL Fort Pierce, Classic 88.9, ment
hometown St. Lucie West, phone# in St. Lucie 1100
1222 WBYZ 94.5 GA Baxley, MONO, furniture ad,
and ad for Chevy olds in Baxley, more ads 830

AUGUST 3 E-SKIP continues

1227 WKXH 95.9 GA Alma, Country Kicks
96 WKXH jingle after local ads 830
1231 WDAX 95.3 GA McRae, ID at tunein 830
1240 WRBQ 104.3 GA Augusta, calls, ads 790
1240 WHTK 99.7 SC Port Royal, ad for
Hollywood's, Savannahs largest dance 850
1251 WSSX 95.1 SC Charleston, the new
95-SX, then football promo into legal 830
1257 WMTY103.5 SC Greenwood, ment
Saluda
1303 WLOQ 103.1 FL Winter Pk, WLOQ
Winter Park - Orlando's best,
WLOQ 103.1" 980
1307 WQHL 98.1 FL Live Oak, the best
music is between you and WQHL 860
1308 WPCV 97.5 FL Winter Park
1312 WMTM 93.9 GA Moultrie, local ad 810
1315 WLPT 88.3 GA Jesup, Georgia radio
fellowship, Box -- Jesup, Georgia 850
SEPTEMBER 8 TROPS
"THUNDERSTORM FRONT"
1058 WLRT 92.7 IL Kankakee, You're
listening to 92.7 WLRT Kankakees
Light Rock 93" 170
1119 WABT 103.9 IL Dundee, 40 min
free ride, 40 minutes of the NW's best 180
1128 WWJY 103.9 IN Crown Point, Joy
103.9 promo, many local mentions 190
Hello, y'all. Certainly a banner
season for Es when all was said and done. FM
totals burst from 801 to 1272 between
June 1 and August 3! 300 to 350 of these, I
think, were Es. I've barely had time to even
post these to my log (an this report), let
alone count up separate Es/Tr totals. Summer
can keep one busy, if you live in the centre of
the continent! July blew June out of the water
in considering which month was best for DX!
(I would agree here too-gc) Right now I
have 26 hours of video tape (taped in HI-FI,
slow speed, with clock input for video) to go
through to transfer recent FM DX to cassette-
such! Hi-fi sound quality, at slow speed, is
as good as chrome tape! I guess I missed a
dandy opening to the gulf August 30th-I was
in South Dakota. Don't stop looking just
because it's fall-most of my super long
haul trip have been during fall or early
winter openings. Note #1: Aug. 2 2117, I
needed WGLC-IL for a taped ID so I thought
I'd try for it. Lo and behold, a station jumped
on top of 4 mile local WKAI at its semi-null
towards the NE. I was so busy DXing I
merely marked down the "call change" (I
assumed it was new calls for Mendota),
though the FM Atlas had WGLC. I was really
surprised a bit later, when WRQT's calls
jumped out at me when I was scouring for
N.Mich DX targets. I suspect this is now a
C-1 with high power. Does anybody know?
(You are right when you say to keep
checking in autumn. Just the other day
(October 1) I had strong trop to North
Indiana (FortWayne/South Bend). I
hope you and some of the other Midwest
DXers got in on this event-gc)

AUGUST 10 METEOR SCATTER

0331 KKYK 103.7 AR Little Rock, "...on KKYK...."

AUGUST 13 M.S.

0206 KEYN 103.7 KS Wichita, "...always a better
mix of today's rock hits on the Rock of Wichita

AUGUST 18 TROPO

2109 WJKL 94.3 IL Elgin, mb, ads

AUGUST 23 TROPO

2242 WVIK 90.1 IL Rock Island, c mixing w/WMBI

AUGUST 25 TROPO

1613 WJCH 91.9 IL Joliet, g, very strong
1617 WMBI 90.1 IL Chicago, g, also strong
1618 WLTO 97.3 WI Milwaukee, soft r, Lite 97
1620 WLZR 102.9 WI Milwaukee, r, Lazer 103
1622 WBZN 100.7 WI Racine, j, Breezin 100.7
1625 WUWM 89.7 WI Milwaukee, news report
1633 WJHL 94.3 IL Elgin, mb
1652 WCSY 98.3 MI South Haven, ads, Cozy 98.3
1656 WEZW 103.7 WI Wauwatosa, contest promo
1659 WBEZ 91.5 IL Chicago, wx rpt, ID, wk w/WXXI
1846 WGCI 107.5 IL Chicago, traffic report
1856 WFMT 98.7 IL Chicago, ID
1859 WLUP 97.9 IL Chicago, soft r, the Loop
1900 WXEZ 100.3 IL Chicago, wx, Extra Easy WXEZ
1903 WLIT 93.9 IL Chicago, Chicagoland wx, Light FM
1905 WZTR 95.7 WI Milwaukee, old r, Star 95
1913 WFMB 98.3 WI Menomonee Falls, c
1923 WVAZ 102.7 IL Oak Park, sr, The New V-103

EQUIPMENT: Icom R7000, 25 element log
periodic at 28 feet.

Nothing spectacular this time.

96Kx
96.9 FM

CHARLES GAUTHIER - 3260 BEAULIEU - BROSSARD, PQ CAN. J4Z 2P7

Equipment: JVC RX150BK Digital synthesizer receiver
-Lindsay omnidirectional FM antennal converted in a bi-directional
dipole (North-East/South-West) at 20 feet above ground (outdoor).
-RG59U Coax

AUGUST 29 TROPO

2308 WCNY 91.3 NY Syracuse 244

SEPTEMBER 1 TROPO

0012 WXXI 91.5 NY Rochester 261

SEPTEMBER 10 TROPO

2345 WJNY 90.9 NY Watertown 160

2350 WCNY 91.3 NY Syracuse 160

SEPTEMBER 11 TROPO

2315 WXTY 103.9 NY Ticonderoga 113

SEPTEMBER 13 TROPO

2030 WXXI 91.5 NY Rochester 261

2045 WCMF 96.5 NY Rochester 261

SEPTEMBER 22 TROPO

2005 WGBH 89.7 MA Boston, ad for "WGBH
Program Guide, then ID, still in at 2300 250
Keep up the good work! (Thank you!-gc)

AUGUST 27 TROPO-SCATTER

0245 CBON18 88.1 ON Sault Ste Marie, c, FF

SEPTEMBER 4 TROPO-SCATTER

1448(WZIP)88.1 OH Akron, just got ID
under CBEE, ex:WAUP

SEPTEMBER 9 TROPO-SCATTER

1500 WLTO 103.9 MI Harbor Springs, fair
...with Hbr Sps Rams highschool football

SEPT. 10 TROPO-SCATTER

0133 WBVI 96.7 OH Fostoria, soft rock,
I-96.7. Happend to be listening to Blue Jays

Postgame show on CKGL when they ann'cd
they would be off air for maintenance.

0136 WKTX 96.7 PA Mercer, r, heavy metal
on Midnight Metal program, fair until CKGL
came back on at 0152.

1421 WVAZ 102.7 IL Oak Park, very weak
with weather forecast, cut up by WKSG.

SEPT. 11 TROPO-SCATTER

2157 (WCLR) 95.7 OH Piqua, b, Clear FM

EX: WPTW

SEPT. 14 TROPO-SCATTER

2246 WMMQ 92.7 MI Charlotte, end of
Tigers BB, into r with WDDZ and CJBX.

SEPT. 15 TROPO

1600 WYLL 106.7 IL Des Plains, ads

1618 WLTO 97.3 WI Milwaukee, promo

1620 WJKL 94.3 IL Elgin, bm, JKL Great Mx

1622 WNIZ 96.9 IL Zion, c

1624 WOJO 105.1 IL Evanston, SS music pgm

1625(WYSY) 107.9 IL Aurora, Y-108

traffic report, ex WAUR

1629 WXEZ 100.3 IL Chicago WLS-TV7 ad

1643 WAZY 96.5 IN Lafayette, r, Z 96 1/2

(do they still use this?-gc)

1843 WMYX 99.1 WI Milwaukee, old r, Mix

1847 WNDU 92.9 IN South Bend, ads, U-93

2114 WORB 91.9 MI Port Huron, p, rare

105
WDCG 105.1 • FM

Soixante-Treize
and
Good DX!!

STATION NEWS: KCPW 94.9 Kansas City has dropped CHR for KCMO-FM, and
oldies. Top rated WBJW 105.1 Orlando (BJ-105) has switched to WOMX "Mix"
and a more lite approach to top 40. Much to the dismay of Bill Nienajadly, WJLK
on the Jersey Shore will go a/c, competing with "Sleep Thru 107". WXGT 92.3
Columbus, Ohio has adopted a more "heavy metal approach". WPHD 103.3 in
Buffalo has switched calls to WUPX, "103.3 The Fox", but remains classic rock.

DX From Bloomington:

MAY 18 E-SKIP

1820 unID 91.3 Spanish (No ID could be made by John Jefferson in California)

JUNE 29 E-SKIP

0928 WKKA? 92.1 no town dive, not in Atlas, Elving to listen to tape soon.

0930 WRVL 88.3 VA Lynchburg, g

0935 WFOG 92.9 VA Suffolk

JUNE 30 E-SKIP

0058 unID 97.9 CANADA (satellite fed music: 1-800-263-5795 # no good in USA)

JULY 18 TR AND ES

1700 KXSS 103.7 MN Waite Park, KissFM, weak

2308 KOMP 92.3 NV Las Vegas

2327 KCEP 88.1 NV Las Vegas, "Rythum Radio", ads

2330 KNIS 94.7 NV Carson City, g

JULY 23 TR and ES

1012 KTDR 96.3 TX Del Rio

1015 KWMJ 103.3 TX Midland, SCA (mx) 67 khz

1025 KSMG 105.3 TX Seguin

1039 KZOR 94.1 NM Hobbs

1045 KBIM 94.9 NM Rosewell

1046 KLZK 98.3 TX Farwell

1100 KENW 89.5 NM Portales

1357 KBRE 94.9 UT Cedar City

1400 KBDI 100.9 IA Decorah

JULY 24 E-SKIP

2127 KSCS 96.3 TX Fort Worth

2134 KLUV 98.7 TX Dallas

2137 KGNZ 88.1 TX Abilene

2138 KTSU 90.9 TX Houston, choice FM

2150 KEAN 105.1 TX Abilene

2215 KAPT 94.7 TX Luling, easy

2224 KTSR 92.1 TX College Station

2232 KOYE 94.9 TX Laredo, ph# 787-1095

AUGUST 1 TROPO

2321 KUDL 98.1 KS Kansas City

2330 KKJO 105.1 MO St. Joseph

2335 KCFM 107.3 MO Lexington

2344 KESY 104.5 NE Omaha

2400 unID 103.9 KEEZ 99.1 Mankato XLTR

no record of where as yet!!

DX from cabin at ALBORN (PROSIT), MINN

JULY 22 E-SKIP

1150 KNFM 92.3 TX Midland

1155 KLLL 96.3 TX Lubbock

1200 KPDR 90.5 TX Wheeler

1221 KBUY 93.5 NM Rudioso



All times are Central Standard. After a poor June, Es bounced back in July and August. As I am running out of paper, I'll close for now.

REGARDS and GOOD DX

John Ebeling

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NY 14221

Equipment: Pioneer TX9100 tuner, roof mounted 6-element Radio Shack FM antenna now 24' AGL, CAC11 coax, and Archerrotor used as well.

JULY 7 E-SKIP

1318 WBGW 98.9 FL Tallahassee, Lite Rock

1328 WKGC 90.7 FL Panama City, wx, legal ID

1400 WMBV 91.9 AL Dixons Mills, legal ID

1447 KTYL 93.1 TX Tyler, rm\$

1453 KMQO 96.7 TX Mineola, "K-M-Double O

Mineola; it's news time: Into a song!

1957 KLUV 98.7 TX Dallas

1508 KBUS 101.9 TX Paris

JULY 7 E-SKIP cont.

1518 KZBB 97.9 OK Poteau

1600 KCEV 88.3 KS Wichita, legal ID

1809 ZBM 89.1 BER Hamilton, o/WBSU

1903 CBAF19 92.3 NS Halifax, FrenchMONO

2036 WYKS 105.5 FL Gainesville, Kiss 105

JULY 11 TROPO

2200 WNCI 97.9 OH Columbus, CHR (\$)

also in were WSNY, WXGT, and WHOK

JULY 12 TROPO

0214 WGBZ 107.9 MI Flint

JULY 18 E-SKIP

1710 KNOE 101.9 LA Monroe, FM 102

JULY 19 TROPO-SCATTER

WJYE 96.1, WYRK 106.5, WBLK 93.7 off

0842 WHLM 106.5 PA Bloomsburg, ads

0845 WHTX 96.1 PA Pittsburgh, calls

0848 WFRG 96.1 NY Rome, The Frog 96FRG

JULY 20 TROPO-SCATTER

CFNY 102.1 Toronto off the air

1330 WOWQ 102.1 PA DuBois, k

tentative WIOQ Philly, WDOQ Cleveland

JULY 20 METEOR SCATTER

1330 WLUM 102.1 WI Milwaukee, Hot 102

mentioned West Allis

JULY 24 TROPO

1003 WIRQ 93.5 NY Remsen, over mess

1230 WGLX 95.3 NY Gouverneur, 95X over CKDS

1315 WDSY 107.9 PA Pittsburgh, k

1805 WPHB 105.9 PA Phillipsburg, trad. k

JULY 25 E-SKIP

1050(WTGE)100.7 LA Baton Rouge, Tiger

1112 KNAS 105.5 AR Nashville, legal ID

1117 KISX 107.3 TX Whitehouse, Kiss 107

1132 KDEA 99.1 LA New Iberia

1138 KTUX 98.9 TX Carthage, Tux 99

1142(KMYQ) 100.1 LA Bastrop, My Q-100

ex: KJBS

JULY 26 TROPO

0700 102.1, 105.7 Cleveland over locals

0755 WMYJ 97.9 PA Edinboro, Y-98

1430 WGMM 97.7 NY Big Falls, Gem 97.7

(CHTZ 97.7 ON Saint Catharines off)

JULY 31 E-SKIP

1519 KQRS 92.5 MN Golden Valley, KQ92

1521 KPSD 97.1 SD Faith, S.D.P.R.

1526 KQSD 90.9 SD Pierpont, ditto

1539 KYYY 92.9 ND Bismarck, ads, o/WBUP

AUGUST 1 TROPO

1100 CITE 107.3 PQ Montreal

AUGUST 3 TROPO (CHANTAL?)

0112 WJPD 92.3 MI Ispemhing

0126 WIXX 101.1 WI Green Bay

0136(WGFM)105.1 MI Cheboygan, WGOLD

0145 WMBit 90.1 IL Chicago

0200 WHAD 90.7 WI Delafield, Wis Pub Radio

0200 WHRM 90.9 WI Wausau, ditto 550

0258 WRVM 102.7 WI Suring, g, strong

0742 WNSN 101.5 IN S.Bend, Sunny 101.5

0759 WMLK 102.1 MI Kalamazoo, o/CFNY

0804 WLKI 100.1 IN Angola, calls 354

0933 WAJL 95.1 IN Ft. Wayne, Majic

(Thanks Matt!)

1000 WBCH 100.1 MI Hastings

**TIME IS RUNNING OUT!
 REPORT YOUR DX TO
 YOUR NEAREST DX
 COLUMN TODAY!!!**

There have been some fairly good tropes lately, especially the first week of September with my furthest catch ever (St.Louis, 680 miles). Thanks to Matt Sittel for helping me log some of the August 3rd stuff; he was at my house en route to Syracuse! It was great meeting all of you at Bill's House!...I hope you like the new style; let me know which typeface is your favorite. Any suggestions are welcome. The print for Frank Merrill's OCT VUD report will not be used again. I've heard some complaints as to how it looks. Thanks to Bill Nienajadly, Joe Fela, and Larry Fuss for logos! Keep the reports coming!..... 73, Greg

AUGUST 3 E-SKIP

1322 KPFT 90.1 TX Houston

1323 KPLV 93.3 TX Port Lavaca, V93

1336 KZFX 107.5 TX Lake Jackson, Z107

1338 KIOC 106.1 TX Orange, K106

1346 KFMC 97.9 TX Houston, calls, CHFI QRM

1348 KMQJ 102.1 TX Houston, Majic 102,

way over local CFNY, crossover music

1349 KYKS 105.1 TX Lufkin, country

1352 KMJJ 100.1 LA Shreveport, urban

Majic FM 100 slogan

1356 KTUX 98.9 TX Carthage, r\$, Tux 99

1359 KSAU 90.1 TX Nacogdoches, local ments

1407 KRMD 101.1 LA Shreveport, k\$, calls

1410 KKMJ 95.5 TX Austin, rm\$, Magic 95

1413 KAPT 94.7 TX Luling, easy, a change

from the CHR I heard summer of 1988

1418 KUT 90.5 TX Austin

1423 KHYI 94.9 TX Arlington, r\$(CHR) Y-95

1426 KWTX 97.5 TX Waco, ads

AUGUST 22 TROPO and M.S.

0128 WILQ 105.1 PA Williamsport, k,

finally heard!, WKSB 102.7 strong also

0133 WOYV 95.5 FL Ft. Pierce, calls after

"Don't Wanna Lose You" by Gloria Estefan

WMJQ 102.5 Buffalo off the air

0141 CBOE 102.5 ON Ottawa, French

tentatives on WUUU, WRFY, and WIOG. No

WDVE cause WPHD had a 102.5 image to SW

AUGUST 27 TROPO

1130 WRED 95.7 OH Gibsonburg, gave calls

then mentioned Oldies Channel and Toledo

1218 WWWW 105.5 OH Sylvania, oldies 3WM

Toledo strong on 104.7, 92.5, and 101.5

AUGUST 29 TROPO-SCATTER

0730 WBJC 91.5 MD Baltimore, call, WXXI off

WKSE 98.5 off the air

1113 WNYR 98.5 NY Waterloo, Winner 98.5

1115 CIEL 98.5 PQ Longueuil, French

1116 CBOF 98.7 ON Renfrew, French

1120 WUPS 98.5 MI Houghton Lake, r\$,

just 98 1/2 except calls on half hour. 310

1122 WKRZ 98.5 PA Wilkes-Barre, 98.5KRZ

also relays WNCX, WYCR, WRJS, and a country

on 98.7, either Wheeling or Washington D.C.

SEPTEMBER 4 TROPO

1732 KWMU 90.7 MO St. Louis, news, calls

heard many times; very weak. Only unusual

station on band but TROPS RECORD AT

ABOUT 680 MILES!

2300 WAUS 90.7 MI Berrien Springs, c

SEPTEMBER 7 TROPO (GABRIELLE?)

0740 WQHQ 104.7 MD Ocean City Lite Rock

Q-105, legal ID heard. around 370 miles

0750 WDSD 94.7 DE Dover

0800 WGIS 91.9 MD Takoma Park, prev: Au

1130 WFSI 107.9 MD Annapolis, over CING

1133 WNCE 101.3 PA Lancaster, wx, calls

Nice and EZ 101 WNCE over WRMM/CKOT

SEPTEMBER 18 AURORA

1900 WVXU 91.7 OH Cincinnati, legal ID

SEPTEMBER 20 TROPO

2130 WIXX 101.1 WI Green Bay, strong! r\$

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

NOVEMBER 1989

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA, & WV. Also DC.

*** MEGA TROP DUCTS LINK UP HAWAII WITH SOUTHERN CALIFORNIA--DISTANCE UP TO 2500 MI.! ***

TROP LIKE THIS PROBABLY NEVER BEFORE REPORTED!

This special report from Sheldon Remington from Pahoa, HI, a former WTFDA member:

Greetings to my old friends in the WTFDA. I haven't been a club member for some years, but Pat Dyer suggested I write up the FM reception which took place in June and submit it to the VUD. The fabled VHF tropo duct has finally yielded some FM catches. On June 13, the local VHF ham ops were reporting the the duct was open to southern CA. At 0955 I noticed some CCI bars on channel 11 and immediately checked FM with my hand held Sony ICF-7600D and built-in whip. For the next 2 1/2 hours I heard many southern CA FM's of which the following were positively IDed:

Grover City 107.3, Lompoc 104.1, Santa Barbara 93.7, Ventura 100.7, Los Angeles 92.3, 93.1, 95.5, 97.1, 101.1, 102.7, 103.5, 104.3, 105.1, 107.5, Glendale 101.9, Pasadena 106.7, and Santa Maria 102.5.

The next night from 1000 to 1300, the opening had moved south to the Tijuana/San Diego area, yielding Tijuana 91.1, 104.5 and San Diego 94.1, 101.5, 103.7, 105.3, 106.7. The duct dissipated the next day, but returned on June 20 to 23, bringing LA thru Tijuana again, of which San Clemente 107.9 was the only new logging. No openings have been noted since. Distances for these 25 catches range from about 2345 miles for Lompoc to about 2500 miles for Tijuana. Signal strengths were generally low but sometimes reached full quieting and full lit the Sony's LED. I have subsequently added an CM 4408 beam so should do better the next time. Of particular note is that these catches were heard at just 500 ft. above sea level. Conventional wisdom holds that the CA/HI duct is usable only from the 8000 foot level on Mauna Loa, and indeed there is undoubtedly more FM and TV DX up at that site, judging by reports of the hams who work 144 MHz and higher from there. Eventually, I will have to try driving up the volcano to try FM. The duct should yield DX for California listeners as well, except that QRM is much worse on that end. The KOAS translator K276DG 103.1 is the only FM transmitter at a high altitude on this island (the Big Island) situated at the Humuula Sheep Station at 6000' with stacked yagis beaming ESE (note that K276 DG is in the center of the island, how near the location shown in the FM Atlas). It might also be possible to hear KKUA 90.7 on Maui as it's situated part way up Mt. Haleakala. The hams conduct kuct liaison on 28.885 MHz, and I can usually be found there doing 6 meter liaison. Well, that's the report for now. If this kind of reception occurs a bit more often, I'll send another report and perhaps rejoin the club. If anyone can advise me on a good, sensitive and selective 12-volt FM rx, I'd appreciate it. The TX-9100 is gathering dust, since I'm almost a mile from the nearest AC power, and all I have is a solar photovoltaic 12-volt system. Aloha to all. (Sheldon Remington's address is: P. O. Box 2094, Pahoa, HI 96778) (Many thanks to Sheldon for such an unexpected and astounding report. It's wonderful to realize that trop on such a grand scale can happen. It's unfortunate we have few if any members living on the various islands across the Pacific who could give us a better idea how rare this ocean based trop is and just how far reaching it can get. So let's urge Sheldon to rejoin the club. DB)

Matt Sittel, P.O. Box 21441, Raleigh, NC 27607

Kingsport, TX DX:

8/18 Es (CONT. from last month)

1426 KTLT 106.3 TX Wichita Falls, calls 936
1430 KQV 103.3 TX Wichita Falls, "QV-103"
1445 KNIN 92.9 TX Wichita Falls, calls

8/18 Es

1457 KLLL 96.3 TX Lubbock, "h-Triple" 1116
1503 AKIK 93.7 TX Lubbock, "Kick"
1516 KTXT 88.1 TX Lubbock, 1st ment. "88.1"

There have been some good FM openings in the latter part of the season, so far. Again, as last year, FM E-skip was in on the day before I left for Raleigh! That opening was the best opening I've ever had so late in the year. It was great! The unID 89.9 was unusual. It was SS g\$ format, and had an address for Guatemala. There was also SS music and an SS announcer who didn't say anything in EE and didn't sound like he was from the US. It could have been KBNL, but I doubt it as the calls were not once mentioned as KBNL will say "Kah-Bay-ennay-ellay" some. Any help on this unID would be most appreciated. No great trop noted in Raleigh yet. 73.

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20785

Re: Greg Coniglio's vacation report from Annapolis, 2nd station on 106.9 probably 106.9 Suffolk, VA, not WCCC CT. Greg: If you think Annapolis is bad, try DC. At least Annapolis is 30 mi. from DC and its 20 FMs.

SOUTHERN FM DX

NOVEMBER 1989

John Jefferson, 4104 Spyglass Ct., Antioch, CA

Apparently the fun is finally over for another year. Only the barest trace of es on ch 2 since 8/25 - that on 9/1. A really good season, in spite of that dead spell in early June. Hope the negative reviews from elsewhere have been amended by good July & August events!

As usual, all loggings were made with the newer MR80 & the S/Probe 9 at 30' unless noted with # for the Blaupunkt in San Ramon (commuting to a client site). Underlined means new to the Diablo Area log. @ new only to Antioch.

TIME CALLS	FREQ	ST	CITY	DIST	REMARKS
8/6/89 ES					
1059 KJTY	88.3	KS	Topeka	1390	ID
1120 KEZO	92.3	NE	Omaha	1390	Z-92. Omaha
1157 KMML	98.7	TX	Amarillo	1115	Calls
1200 KROA@	95.7	NE	Grand Island	1260	"
1204 KRGI@	96.5	"	"		Ctry 96. G.I.
1210 KOGA	99.7	"	Ogallala	1090	Ogallala ref
1219 KEXL@	106.7	"	Norfolk	1285	Calls
1229 KBRX	102.9	"	O'Neill	1230	Local refs
2101 KUSD	89.7	SD	Vermillion	1345	ID
8/7/89 SL					
2038 KSUR	99.5	CA	Greenfield	105	Calls: new
8/10/89 TR					
0200 K219AR	91.7	NV	Verdi	140	KUNR ID
0649 K212AJ	90.3	"	Incline Village	130	"
8/11/89 MS					
2347 CBU@	105.7	BC	Vancouver	805	Local ref; CBC
8/13/89 SL					
0901 K209AL	89.7	CA	Modesto	45	Family R.
8/14/89 TR					
0201 K219AR	91.7	NV	Verdi		KUNR ID
ES					
1944 KBAT	93.3	TX	Midland	1175	Calls
1958 KIXY	94.7	"	San Angelo	1285	ID
2000 KPER@	95.7	NM	Hobbs	1100	"
8/18/89 ES					
2121 KMML	98.7	TX	Amarillo		Calls
2139 "	"	"	"		"
8/22/89 ES					
0753 K209AF	89.7	AZ	Tucson	735	AZ ref
0801 KXCI	91.7	"	"		Tucson: calls
0903 KUAT#	90.5	"	"		Ann & c
K209AF	89.7	"	"		// 90.5
8/27/89 TR					
1026 KDNO	98.5	CA	Delano	210	ID o/ KZAP

The KUAT/K209AF event was varied by phone. At 9:03, as I pulled away from a stop light in San Ramon, I heard the same announcer on 90.5 as I'd heard at 7:53 (& 8:00) on 89.7, & had a Tchaikovsky selection clearly for about a mile. At that point I went over the hill into Crow Canyon. & not much of anything gets in there. On arriving home, I had the start of the same selection on the last minute of a tape I'd left running on 89.7. Had to call the station about that one: aside from the DX interest, couldn't place that Tchaikovsky piece! Randy Miltier had Phoenix TV in very well that morning, by the way, with little besides AZ. Very small but persistent opening.

On the Labor Day weekend I drove as far as San Luis Obispo, road-logging KBOX 104.1 (at 140 miles) & KRQK 100.3 Lompoc. KOTR 94.9 Cambria, KXEM 102.9 McFarland, & some xlaters in the area. KSUR is c. carrying the new KKGD Los Angeles programs via satellite. They have some work to do on the downlink - they have no separation & at times have a severe noise problem, but they give good coverage from Salinas to Paso Robles.

Doug Allen, w2crs, PO Box 5646 Woodland Park, CO 80866

Equip. Denon TU 800 & Stereo Probe 9 at 25'

Equip. Denon TU 800 & Stereo Probe 9 at 25'			7/23 Es		7/25 Es					
7/22 tr & Es			0900	WUTC	88.1	TN	1021	WYKK	98.3	MS
0740 K202AS	88.3	WY	0900	WNIN	88.3	IN	1024	WGNET	98.1	FL
0800 KTRS	95.5	WY	0905	WXBQ	96.9	TN	1030	WHJT	93.5	MS
		has	0908	WFOX	97.1	GA	1040	WMTZ	94.3	GA
0804 KYCN	101.7	WY	0911	WRSF-FM	95.9	KY	1042	WKSJ	94.9	AL
1900 KLOK	88.1	CA	0916	WFBC-FM	93.7	SC	1044	WLUN	95.3	MS
1905 KFSD	94.1	CA	0920	WHAJ	104.5	WV	1048	WTVY	95.5	AL
1917 XHITZ	90.3	BN	0928	WYNG	105.3	IN	1058	WQCK	92.7	LA
1922 KCQR	94.5	CA	0930	WIVK	107.7	TN	1059	WBSN	89.1	LA
1930 ???? ?	90.3	Mexico?					1101	WXL	94.1	MS
1940 KXLU	88.9	CA	0937	KLOU	103.3	MO	1104	WLTS	105.3	LA
2000 KZBQ	93.7	ID	0941	WQUT	101.5	TN	1107	WKGC-FM	90.7	FL
			0944	WKBO	106.5	IL	1112	KLPL-FM	92.7	LA
2019 WSM-FM	95.5	TN	0944-1050	two meters (144 Mhz) open						
2022 KWOC-FM	94.5	MO	1102	WKKW	106.5	WV	1113	WMEZ	94.1	FL
2039 WLOT	97.7	TN	1104	WRSW-FM	107.3	IN	1115	KBAU	94.3	LA
2050 KKY	94.9	CA	1111	WSTR-FM	99.3	MI	1128	WBOX	92.7	LA
2054 KCBQ-FM	105.3	CA	1115	WQZZ	99.7	WI				
2057 WQLT	107.3	AL	1120	WRLO	105.3	WI	7/28 Es			
2103 WNGC	95.5	GA	1124	WIFC	95.5	WI	2001	WNIN	88.3	IN
2110 WJSP-FM	88.1	GA	1125	KQCL	95.9	MN	2016	CJBX	92.7	ON
2153 WGGZ	98.1	LA	1131	WGMO	95.3	WI	2050	WTNT	94.9	FL
2153 KUSP	88.9	CA	1152	WKLR	93.1	IN	2052	WMQX	93.1	NC
2223 KWSS	94.5	CA	1200	WEKU	88.9	KY	2100	WEKH	90.9	KY
2230 KABL-FM	98.1	CA	1203	WEIU	88.9	IL	2101	WKWC	90.3	KY
2231 KEYE	93.7	CA	1207	WKHY	93.5	IN				We
2234 KOTR	94.9	CA	1210	WMLA	92.7	IL	2112	WWGL	94.1	NC
2237 KHOT	97.7	CA	1215	WBZM	94.3	IL	2127	WDJK	95.3	OH
2246 KIOI	101.3	CA	1257	WJFM	93.7	MI	2130	WHOK	95.5	OH
2253 KSAK	94.9	CA	1301	WHLA	90.3	WI	2133	WOFX	94.9	OH
2255 KALW	91.7	CA					2135	WWNK	94.1	OH
2300 KWIN	97.7	CA	7/24 Es				2139	WXGT	92.3	OH
2300 KMG	97.7	CA	2115	WFMS	95.5	IN	7/31 Es			
2313 KABL	98.1		2117	WLRW	94.5	IL	0909	WQXI-FM	94.1	GA
			2119	WOFX	94.9	OH	0915	WQEN	103.7	AL
7/23 Es			2124	WKTN	95.3	OH	0918	WHMA-FM	100.5	AL
0755 WKQQ	98.1	KY	2126	WWNK	94.1	OH	0921	WFNN	107.7	AL
0759 WMYK	90.3	KY	2129	WDIF	94.3	OH	0923	WFYV-FM	104.5	FL
0800 WEKU	88.9	KY	2141	WMYG	96.9	PA	0928	WWKL	100.5	IN
0807 WLAP	94.5	KY	2159	WLQV	96.3	OH	0930	WJNZ	94.3	IN
0809 WAMZ	97.5	KY	2159	WGLE	90.7	OH	0936	WQLT	107.3	AL
0817 WVXU	91.7	OH	2210	WPIT-FM	101.5	PA	0938	WIMI	102.1	OH
0822 WQXI	94.1	GA	2215	WYHT	105.3	OH	0940	WNCO-FM	101.3	OH
0841 WWNK	94.1	OH	2215	WQKT	104.5	OH	0942	WASK	105.3	IN
0841 WFCJ	93.7	OH	2223	WKKW	106.5	WV	0947	WAPI-FM	94.5	AL
0843 WLRW	94.5	IL	2238	WYER-FM	94.9	IL	0953	WDOKT	102.1	OH
0851 WKLR	93.1	IN	2246	KGGOT	94.9	IA	1000	KUAR	89.1	AR
0854 WOSE	94.5	OH					1010	WSKZ	106.5	TN
0857 WNGC	95.5	GA	7/25 Es				1017	WZZK-FM	104.7	AL
comments			1005	WNAZ	89.1	TN	1026	WTNV	104.1	TN
next			1006	WJSP	88.1	GA	1030	KLOW	103.1	MO
48 month....			1010	WMFC-FM	99.3	AL	1100	WPAR	88.1	NC
			1011	WOKK	97.1	MS				

ANARC UPDATE

WHERE HAS THE ANARC UPDATE BEEN?

After a lapse of a few months, the ANARC Update is back. I was given a promotion at work which has allowed me, or rather caused me to work six days a week, two extra hours a day. All this work has made me a very tired person!

ANARCON '89 IS A SUCCESS!

From all the reports I've seen on ANARCON '89, this year's convention has been a success. Over 200 DX'ers from around the country, and a few from around the world attended the convention. They were treated to a great array of speeches, seminars, slide shows, equipment displays and award presentations. Many international broadcasters sent representatives.

This year's convention had a Latin American theme. Our own Glenn Hauser presented a slide show on Central America. Glenn celebrated his birthday and was presented with a cake! The annual WRTM Quiz concentrated on stations south of the border. And the keynote speaker at the annual ANARC banquet was Ernesto Betancourt, the director of Radio Marti.

Congratulations go out to two WFDQ members on receiving ANARC Awards. Greg Monti was given the Specialty Band DX'er of the year award. The Broadcaster of the year award went to Glenn Hauser, Radio Netherland's Jonathan Marks, and Fred Vobbe of the National Radio Club's DX Audio Service. The other awards were:

North American Short Wave DX'er- Mitch Sams

International Short Wave DX'er- Arther Ward, publisher of Contact, the bulletin of the World DX Club.

Article of the Year (a new award)-Ray Cole, for an article on earthquake prediction and MW carrier frequency deviation. (The article was originally published in the April 11, 1988 issue of the DX News of the National Radio Club. It was reprinted in the August/September edition of the ANARC Newsletter.)

For a better description of the Convention, please refer to the Aug/Sept '89 ANARC Newsletter and the August NASWA FRENEX.

Finally, congratulation to Jeff White for a job well done!!

Where will ANARCON '90 be? This has not been decided. Bids are now being taken for hosting the convention. Also, a great debate is taking place on the future of the convention. Various ideas have been proposed. The convention may take place every two years. It may be held as part of another radio related activity (ie. Hamfest, Club convention, Radio Industry convention...). The convention may be regionalized, held in several different places around the country each year. The convention may be held at times other than July. The convention could be co-sponsored with a broadcaster, or equipment manufacturers. Anyone have any thoughts on improving the ANARC Convention?

An audio version of the ANARC Newsletter is being prepared for Handicapped DX'ers. For more information, contact the ANARC Newsletter, PO Box 24, Cambridge WI 53523-0024 USA.

SPRACHMAN'S CORNER

New York Media Briefs

The BIG STORY is WMCA 570. The station was recently sold to a religious broadcaster. A few weeks before the sale was finalized, the station started a business information format. There was speculation that the new owners would keep this format. Then two weeks before the change, the whole staff of the station was given notice. WMCA was to become a religious radio station. The last day of the talk format was a sad one. Many famous voices were heard on WMCA. Once it was New York City's top pop music station. When the audience went to WINS, then WABC and finally to FM, the station adopted a talk format. This format was copied by other stations and WMCA fell on "hard times". On the weekend of the changeover, the station was off the air, except for two college football games.

More new FM stations have been proposed for Long Island. 94.9 has been allocated to Montauk. Montauk's first station, WMNK 104.7 has not come on the air yet. Another frequency, long open, may soon be occupied. 103.1, allocated to Bay Shore, has been applied for by the owners of WLIM 1580 Patchogue. They are proposing that the location of the transmitter be on top of the Fire Island Light House.

Then there are those stations on Long Island that are not licensed, the pirates. The most active station is WFLR Floral Park on 91.9. They now claim to have an AM transmitter on 1150. The broadcasts, which were regular last year, are sporadic this year. No new stations have been heard, and several have not been heard. One, WMCN 91.7 Massapequa, may have been permanently silenced. Two people in Massapequa were busted by the FCC for illegal broadcasting. The article in NEWSDAY claimed they were broadcasting in the Aeronautical Band. No mention was made of "WMCN", but the station has not been heard since.

Connecticut Happenings- WADS 690 Ansonia broadcasts in Portuguese for most of its broadcast day. WNBX 1450 Bridgeport broadcasts in Spanish. WQXR-FM New York has a translator on 103.1 in the Norwalk area. Not on the air, as of Labor Day weekend, WKZE 98.1 Salisbury and WUPR 103.3 Sharon.

WMAI Channel 43 Bridgeport has a very strange schedule. It is only on during the day. The home shopping is gone and has been replaced with half hour commercials. I read a strange story about Channel 43 when it was on the air as WICC. The owner of the station wanted to take the station off the air. The FCC refused. So the owner went and proved that no one was watching by offering money to the first person who called. No one did and WICC-TV became history.

Update on W53AA New York City. It tests sporadically. The station has yet to provide any programming. W44AI Hicksville has the pay for the request videos during the day. W60AI New York has the Home Shopping Spree 24 hours a day. This is the same program that on many local stations during the middle of the night. My mysterious channel 64, turned out to be a translator for WNYW-5.

Well, that's it for another month. 73's and good DX,

Steven P. Sprackman.



STATION BREAK

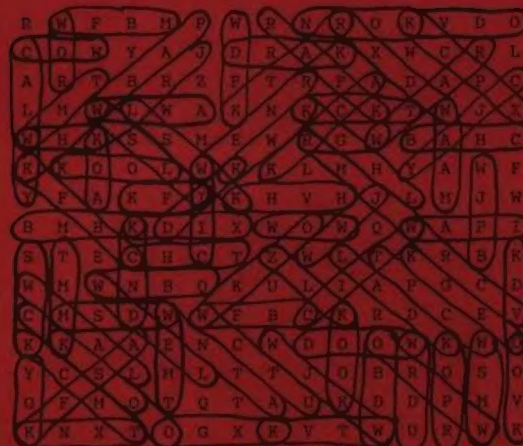
WTFDA
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Television and Cable Factbook, Stations Volume, 1987 edition No. 55. Gives stations addresses, etc. Huge volume, mint condition, buy it for \$4, including 48-states' shipping. Bruce Elving - FM Atlas Publishing - Box 24 - Adolph MN 55701-0024

FOR SALE - Normende Masterwork early FM-AM transistor radio, modified with AC adapter jack and FM-SCA conversion (67 kHz) \$75 plus \$4 shipping. U.S. - Bruce Elving - FM Atlas Publishing - Box 24 - Adolph MN 55701-0024

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.



1. STATION LINE: Below are 18 squares. You are to fill each one up with a different letter so that each combination of 3 consecutive letters from the last 3 letters of a station's call letters that begin with S. For example ANARC would make SAR, SCA, and SCB. The network affiliation and channel number are given, and the first one is already done for you.

18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
S	A	R	C	A	R	C	A	R	C	A	R	C	A	R	C	A	R
A	R	C	A	R	C	A	R	C	A	R	C	A	R	C	A	R	C

11. ADJACENT CHANNELS, INTERFERENCE: Each number sign below is actually 4 different sets of station call letters and channel numbers. One you fill in the missing letters in each below so as to make each 4-letter call and channel number be an existing station!

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

an example

111. WQXR 89.7 (You're lost and all you have is your TV. By determining the 3 stations with network programming with you are, can you figure out what city you are in? All 3 stations are licensed in the same city.)

A. 06-ANC, 13-ANC, 42-CHS	Birmingham, AL	G. 03-ANC, 10-CHS, 17-ANC	Springfield, MA
B. 11-ANC, 13-CHS, 29-ANC	Indianapolis, IN	H. 03-CHS, 09-ANC, 30-ANC	Charlotte, NC
C. 04-CHS, 11-ANC, 17-ANC	Jacksville, FL	I. 13-ANC, 14-ANC, 15-CHS	Little Rock, AR
D. 19-ANC, 12-ANC, 31-CHS	Fort Worth, TX	J. 10-ANC, 17-CHS, 19-ANC	Columbus, OH
E. 10-ANC, 12-CHS, 30-ANC	Lexington, KY	K. 05-CHS, 09-ANC, 06-ANC	Chicago, IL
F. 23-ANC, 12-CHS, 16-ANC	Jackson, MS	L. 06-ANC, 13-CHS, 28-ANC	Annapolis, MD

14. ONE OF 4 KING: There are 15 channel numbers listed below that have only one station in the 48 of the network listed by it in the R.D. Can you name the stations?

ANC: 11 WFTS-34	29 WFTS-34	31 WFTS-34	36 WFTS-34	45 WFTS-34
CHS: 40 WFTS-34	46 WFTS-34	47 WFTS-34	54 WFTS-34	57 WFTS-34
ANC: 23 WFTS-34	31 WFTS-34	34 WFTS-34	41 WFTS-34	44 WFTS-34

15. MISSING AND EXTRA: Can you find the missing and extra? You match the sets of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

16. WORD-FIND: Looking for a word? Well, it's in 1-2000 4-LETTER WORDS. If you get all 50, there are 2 high-scoring words in the puzzle!

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Look vertically, horizontally or diagonally!
You are 1 line
(and there's 11)

WFTS-34

WFTS-34

WFTS-34

WFTS-34

WFTS-34

WFTS-34

WFTS-34

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